

## **Historic, Archive Document**

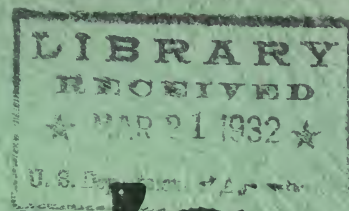
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# PALMER'S SEEDS

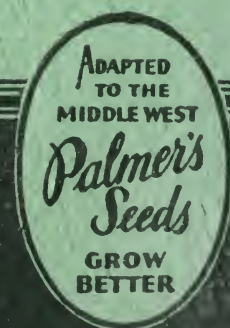
1932



Vegetable Seed Trials

MAR 14 1932

Palmer Seed Company  
617 N. Broadway  
St. Louis - Missouri





# 1932 Catalog of PALMER SEED COMPANY

## Terms of Business

**SEND REMITTANCES** by check, post office money order, or express money order. Small amounts may be conveniently sent in stamps. Orders to be delivered C. O. D. should be accompanied by a cash payment of 25 per cent of the total amount of the order, except where the customer lives in the immediate St. Louis territory.

**WE PAY DELIVERY CHARGES** on all orders for flower seeds, vegetable seeds, and bulbs to any post office, express office or railroad station in the United States.

**CUSTOMER PAYS DELIVERY CHARGES** on peas, beans, corn, farm seeds, grass seed, seed potatoes, onion sets, fertilizers, insecticides, tools, and general garden supplies. Postage on these items should be included with the order, unless shipment is desired by express or freight.

**FREE LOCAL DELIVERY SERVICE.** All orders amounting to \$2.00 or more will be delivered **FREE OF CHARGE** to any address in St Louis, University City, Clayton, Richmond Heights, Maplewood, Webster Groves, Kirkwood, Brentwood, and other suburbs immediately adjoining St. Louis.

**NON-WARRANTY.** While we exercise the utmost care in selecting the products we sell, we give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants or shrubs we send out, and we will in no way assume responsibility for the crop.

## Advisory Service

**CORRESPONDENCE.** We invite you to communicate with us for advice and information on all phases of gardening, and assure you that all letters of inquiry will have the attention of a specialist on the subject in question.

**PERSONAL VISITS.** An experienced representative from our company is available to personally visit your grounds and offer advice and counsel on the creation, improvement and maintenance of lawns and gardens. Appointments to be made in advance.

**PRIZES TO GARDEN CLUBS.** It is our policy to offer trophies, seeds, bulbs, and horticultural merchandise as prizes for flower shows and garden club events. Officials of garden clubs are free to call on us for this co-operation.

## Garden Publications

The following publications are sent free of charge to everyone on our mailing list. As we keep separate lists for each class, please be specific in writing for catalogs and literature. We do not wish to annoy you with material on subjects in which you are not interested.

### GENERAL SPRING CATALOG

Published January 1. An illustrated and complete catalog of all seeds, bulbs, plants, shrubs, garden tools, fertilizers, insecticides, and horticultural requisites.

### MARKET GARDENERS' LIST

Published January 1. A special catalog for commercial vegetable growers, shipping associations, canners, etc., listing the finest strains of seeds in the best marketable varieties. Also fertilizers and insecticides.

### MIDSUMMER CATALOG ADVANCE BULB AND PERENNIAL SEED LIST

Published May 1. Preliminary prices on Holland, Japanese, Bermuda, and domestic bulbs for Fall planting. Also includes a complete listing of perennial seeds and summer garden needs.

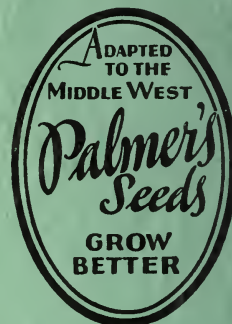
### FALL CATALOG

Published August 15. A comprehensive list of bulbs and plants for Fall planting. Includes Tulips, Hyacinths, Narcissi, Lilies, Peonies, Iris, and Forcing Bulbs. Also Perennial plants and seeds, lawn grasses and horticultural supplies.

## Palmer Seed Company

HORTICULTURAL IMPORTERS

617 N. Broadway ½ Block North of Washington Ave.  
St. Louis, Mo.



Domestic Parcel Post Rates (under existing laws) Within the U. S. and Possessions Zones from St. Louis		For First Pound Allow	For Each Additional Pound Add
First Zone within 50	miles	\$0.07	\$0.01
Second " " 50 to 150	"	.07	.01
Third " " 150 to 300	"	.08	.02
Fourth " " 300 to 600	"	.08	.04
Fifth " " 600 to 1000	"	.09	.06
Sixth " " 1000 to 1400	"	.10	.08
Seventh " " 1400 to 1800	"	.12	.10
Eighth " over 1800 miles		.13	.12

Weight limit in all zones is 70 pounds; the size limit is 100 inches for combined length and girth.



# A Package of Seeds

By EDGAR A. GUEST

Copyright, 1926, The Reilly & Lee Co.

I paid a dime for a package of seeds  
And the clerk tossed them out with a flip.  
"We've got 'em assorted for every man's needs,"  
He said with a smile on his lip.  
"Pansies and Poppies and Asters and Peas!  
Ten cents a package! And pick as you please!"

Now seeds are just dimes to the man in the store,  
And the dimes are the things that he needs;  
And I've been to buy them in seasons before,  
But have thought of them merely as seeds;  
But it flashed through my mind as I took them this time,  
"You have purchased a miracle here for a dime!"

"You've a dime's worth of power which no man can create,  
You've a dime's worth of life in your hand!  
You've a dime's worth of mystery, destiny, fate,  
Which the wisest cannot understand.  
In this bright little package, now isn't it odd?  
You've a dime's worth of something known only to God!"

These are seeds, but the plants and the blossoms are here  
With their petals of various hues;  
In these little pellets, so dry and so queer,  
There is power which no chemist can fuse.  
Here is one of God's miracles soon to unfold,  
Thus for ten cents an ounce is Divinity sold!

AS the individual is frequently judged by his appearance, so is he also judged by the appearance of his home. There is nothing which better expresses fine character and good citizenship than a well kept lawn and well furnished flower beds. The lover of gardens has something in common with the Maker—he is a co-worker with God in creating life and beauty. The uplifting and satisfying influence it has on his soul is something which only a true gardener can fully comprehend.

English Hybrid Delphinium.

## PALMER SEED COMPANY

*Horticultural Importers*

617 North Broadway

ST. LOUIS, MISSOURI

Phones—Central 4177-4178



# Palmer's Lawn Seeds

The fine quality of Palmer Lawn Seeds is well known to the golf courses, cemeteries, public parks and large private estates of the Middle West. We have served this discriminating class of trade with complete satisfaction, resulting in an ever-increasing business. The average purchaser of grass seeds can profit by their example in also placing their confidence in our lawn grass formulas. All of our retail orders are filled with the same high quality. We believe that if our directions are followed and our seeds are used, everyone can have a smooth, velvety, rich green and enduring lawn.

## Important Points on Lawn Making

### TO BUILD A NEW LAWN

The first essential in making a lawn is good soil, properly drained, rich in humus and plant food and deep enough to enable root growth.

**DRAINAGE.** Where necessary, grade the surface to slope gradually away from the house. Avoid terraces. A gentle slope looks better, supports a finer turf and is easier to maintain.

**CONDITIONING.** Heavy clay soil should be spaded or plowed to a depth of 8 to 12 inches and sufficient sand and peat moss mixed in to produce a porous, mellow texture. A soil put in proper condition in the beginning will assure a favorable root development, will hold moisture better and minimize the chances of failure. After the ideal soil texture is certain, the addition of Vigoro Plant Food at the rate of 100 pounds to 2000 square feet, well worked in, will prove an aid to the perfect development of grass. The right food is as important to grass as it is to human beings and Vigoro supplies it with a square meal.

**SEEDING.** Regardless of the care and time you employ in the preparation of the soil, success will largely depend upon the seed you use. The best quality is the cheapest in the long run and it is important to buy seed to meet the situation that exists whether open lawn, shaded lawn, terrace or low ground. We have a formula for every location and every soil, and will gladly advise you in this respect. For average lawn conditions, our **Forest Park Formula** is recommended. It is a blend of the best imported and domestic grasses. Many of the best lawns in the Middle West are the result of Forest Park Formula. However, other grasses can often be used to better advantage where conditions demand special treatment. On a new lawn, sow seed at the rate of 5 pounds to every 1000 square feet (20x50). Cover the seed with a top dressing of rich, pulverized soil about one-fourth inch deep. Then roll and keep moist until growth is under way.

**MAINTENANCE.** Careless watering is often the cause of failure with lawns. A thorough soaking once every week to a depth of 8 to 12

inches is better than daily sprinkling. This encourages the roots to go down for moisture which strengthens them. Daily sprinkling keeps the moisture near the surface and when the roots reach up for a drink they are exposed to the sun's heat and become weak. More lawns are lost for this reason than for any other. The lawn should be cut first when the grass is 3 or 4 inches high and thereafter as necessary, never too close. It is advisable to leave the first cuttings on the ground as a mulch, but on an established lawn clippings should be raked up. A lawn should be rolled every 6 to 8 weeks to keep the soil firm, and thoroughly soaked after each cutting.

### TO RENEW AN OLD LAWN

To replenish an old lawn, it should be given a thorough raking with an iron dandelion rake to remove all leaves, sticks, dead grass and other debris. It should then be resurfaced to fill in all depressions and thin bare spots cultivated to a depth of 3 inches. At this point, an application of Vigoro Plant Food at the rate of 100 pounds to 2000 square feet should be put on and sprinkled thoroughly for three days in succession so that it is thoroughly dissolved and assimilated with the soil. After this preparation, sow the seed at the rate of 5 pounds to 1500 square feet and top dress with a covering of rich, pulverized soil about one-fourth inch deep. From then on, it should be treated in the same way as making a new lawn.

**FERTILIZING ESTABLISHED LAWNS.** About the middle of May and September an established lawn can be improved by an application of Vigoro Plant Food, 50 pounds to 1000 square feet. This keeps the grass well supplied with plant food. Care should be taken, however, to thoroughly water down these applications so that all of the Vigoro is off the foliage and down where it is available to the roots.

These directions for lawn making are brief and general. Should more detailed information be desired, we would be glad to send you a copy of our booklet "Beautiful Lawns."

### Shady Lawn Formula

The secret of producing a lawn in the shade lies entirely in the use of the correct grasses. To supply a genuine mixture for shady places, we must import *Poa Trivialis* from Germany and other grasses from Europe and Australia. We have experimented with this formula and know it will give you complete satisfaction. Many grasses are sold as shady lawn mixtures but few are prepared on a scientific basis to meet the requirements of shaded areas.

See next page for prices.

### Forest Park Formula

A blend of the most desirable imported and domestic grasses. It will prove the best mixture for the average home lawn whether in the city or country. Contains quick growing grasses for immediate results and permanent grasses for lasting beauty. Many of the finest lawns in the Middle West are seeded with **Forest Park Formula**. Contains no timothy or other coarse grasses—only the kinds conducive to a smooth, luxuriant, beautiful lawn.

See next page for prices.

### Terrace Formula

A special mixture of grasses for terraces and sloping lawns. They have the vigor and enduring qualities that resist drought and exposure, and spreading roots that prevent washing from heavy rains. If you are having difficulties with your terraces we urge that you give this mixture a trial. It makes a rich, green turf and will thrive on any average soil.

See next page for prices.



Have a Lawn Like This—Use Forest Park Lawn Seed.



# Palmer's Lawn Seeds

## SEASIDE BENT

"Agrostis Maritima"

Seaside Bent produces finer leaf blades than any other grass and a tenacious root system that crowds out weeds and clover. It is superior to all other varieties of Bent grass whether for home lawns or putting greens.

Seaside Bent thrives best in sour soil. Although its growth is most luxuriant in soil of rich sandy texture, it succeeds in soil much less fertile than will other grasses.

Some of the outstanding facts that make Seaside Bent the last word in fine turf are: It retains its vivid green color even under adverse conditions; stands hard wear and heals quickly when injured; resists severe drought and excess moisture; produces blades of a finer texture than other grasses; stands erect and holds a true even surface and produces more grass per pound of seed than any other variety. One pound of Seaside Bent is sufficient to seed 400 square feet.

Seaside Bent is the only Bent grass seed that can be sown in an established Bent lawn with success. If you already have a Bent lawn that needs touching up, you can make it perfect by adding Seaside Bent seed.

## WASHINGTON BENT STOLONS

Stolons are root joints or "nodes" that take root when planted and spread into a firm sod. Planted at the rate of 1 bag to 400 square feet, Washington Bent stolons will make a perfect lawn in six to eight weeks. They can be planted any time between March 1st and May 15th. Require constant attention and watering, especially during the first few weeks.

1 bag stolons, \$8.00 per bag; 3 bags or more, \$6.00 per bag. Prices f. o. b. St. Louis.

One bag will sow an area of 400 square feet. Write or call for free literature on Creeping Bent.

**Nugreen Formula** This special blend of native grasses is prepared for the purpose of giving quick results. With this mixture you can "get the jump" on spring weeds, as it will establish a lawn under favorable conditions in three weeks.

**Kentucky Blue Grass** (Poa Pratensis). The most reliable of all domestic grasses. Produces a close, thick turf of a beautiful dark green color. Thrives best on well enriched, limestone soils.

**Canadian Blue Grass** (Poa Compressa). A grass very similar to Kentucky Blue Grass, but of a lighter green shade. Some tests show it to be better adapted to poor soils, but for general use the latter is far superior.

**Red Top** (Agrostis Vulgaris). A member of the Bent family. This is an excellent grass for quick growth and for use on run-down soils and in wet places. It makes a fine, narrow leaf blade and is used extensively in mixtures.

**English or Perennial Rye Grass** (Lolium Perenne). For quick results this grass has no rival. Produces a rather wide blade, and is used principally in a mixture with hardy grasses. Adapted to a medium, moist soil.

**German Creeping Bent** (Agrostis Stolonifera). The popular Bent Grass in common use. It is a low-growing grass and produces a carpet of rich, velvet-like green turf. Particularly recommended for golf greens and fine lawns. Thrives best in a moist, acid soil.

**Red Creeping Fescue** (Festuca Rubra). A creeping-rooted grass producing a closely formed turf of excellent texture. Resists drought, and thrives well on poor soils, dry soils, and in shady places.

**White Dutch Clover** (Trifolium Repens). White Clover will produce a lawn on almost any soil. Its low, close growing habit makes it valuable in checking crab grass. Much used in mixtures but does not stand dry, hot weather well.

**Poa Trivialis** By far the best grass for shady places. It produces a narrow, flat leaf blade and forms an exquisite close turf. It is closely related to Kentucky Blue Grass but is much finer and softer. Especially suited to shady places. Thrives in all soils of reasonable fertility. We recommend it very highly.

**Bermuda Grass** (Cynodon Dactylon). This grass freezes out during the winter in the North, but makes a permanent, close turf in the South. Resistant to drought and very durable when once well established in warm climates. Bermuda Grass is used to some extent in the North for spring and summer lawns, and with good success.

## Lawn Seed Prices

Ask for Special Low Prices on Large Quantities.

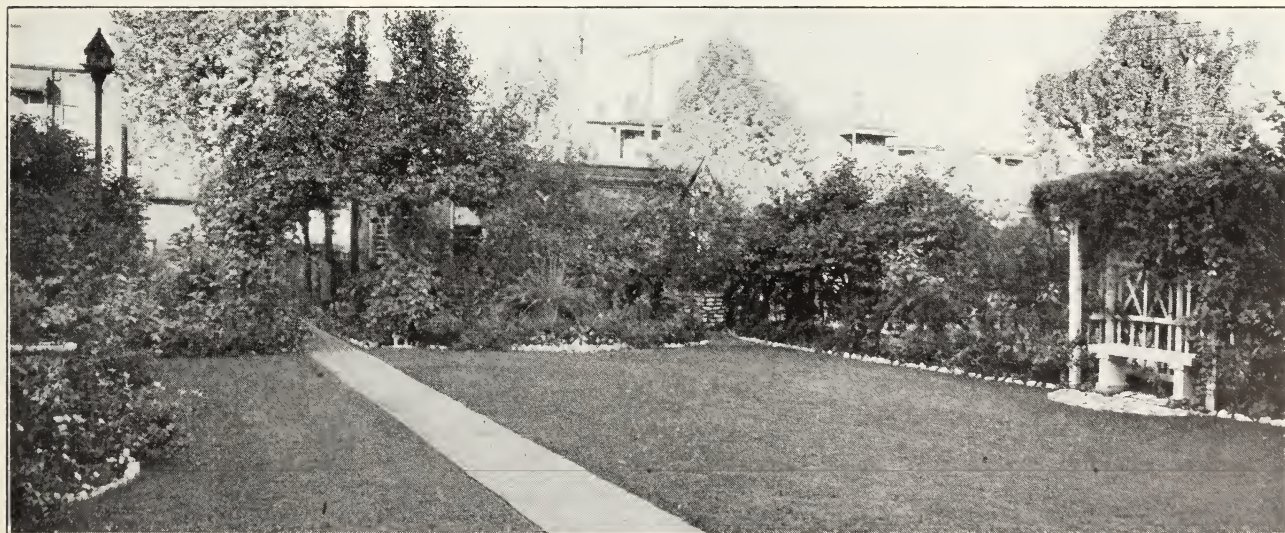
### MIXTURES—

	1/2 lb.	1lb.	3lbs.	5lbs.	10lbs.	25lbs.
Forest Park .....	\$0.25	\$0.40	\$1.10	\$1.80	\$3.50	\$7.00
Nugreen .....	.15	.25	.70	1.00	1.80	4.00
Shady Lawn .....	.25	.40	1.10	1.80	3.50	7.00
Terrace .....	.30	.50	1.40	2.25	4.50	10.00
Special Bent Mixture..	.40	.75	2.10	3.25	6.50	15.00

### UNBLENDED—

Kentucky Blue Grass..	.20	.35	1.00	1.50	3.00	6.25
Canadian Blue Grass..	.20	.35	1.00	1.50	3.00	6.25
Red Top .....	.15	.25	.70	1.10	2.00	4.50
English Rye .....	.15	.20	.50	.90	1.60	3.00
Chewings Fescue ....	.30	.50	1.40	2.25	4.50	10.00
Poa Trivialis (Shade Grass) .....	.25	.40	1.10	1.80	3.50	7.00
German Creeping Bent..	.70	1.25	3.60	5.75	11.50	27.50
Colonial Bent .....	.70	1.25	3.60	5.75	11.50	27.50
Seaside Bent (Coos Co.)	.80	1.50	4.25	6.50	13.00	30.00
White Dutch Clover ..	.35	.65	1.85	3.00	5.50	12.50

Ask for Special Low Prices on Large Quantities.



Lawn of Matthew Voney, 2933 Sullivan Ave. Received Special Award, 1931 Best Garden Contest, St. Louis Horticultural Society. Made Perfect With Palmer's Lawn Seeds.



# A Distinctive Service

## is Offered by Our Flower Seed Department

In our list of flower seeds we offer the highest quality produced by European and American growers. In addition to this select quality we have limited our list to varieties that can be successfully grown in the Middle West. Thus—Palmer's Seeds are **SAFE SEEDS**.

By carefully following directions your chances for success are increased and a beautiful garden will be yours.

To assist our customers in their selection, our Flower Seeds are grouped under four separate headings:

- ANNUALS.** Flowers that bloom the first year from seed and last but one year.
- HARDY PERENNIALS.** Plants which are hardy and come back every year from their own roots.
- ROCK GARDEN SEEDS.**
- GREENHOUSE SEEDS.** Tender plants for growing in the greenhouse or conservatory.

### How to Grow Annual Flowers from Seed

All annuals can be sown outdoors in the garden in May, either in a specially prepared seed bed, for later transplanting, or in their permanent location. Some annuals, on account of their delicate root systems, are very difficult to transplant, such as Poppies, Mignonette, Blue Lace Flower, Sweet Sultans and Eschscholtzia. These should be sown in the location desired and thinned out.

The majority of annuals, however, are benefited by transplanting, and these are best started either in a cold frame or hotbed (see below), or in a prepared seed bed outdoors. This bed should be of finely pulverized soil, mixed on the top with some sand or humus. The seed should be sown in shallow drills, each variety carefully labeled. Cover the small seeds with not more than one-eighth inch of soil; the finest should only be pressed into the soil. Water carefully through a fine rose, and keep the soil always moist but not real wet. On hot sunny days, shade the bed from the sun. As soon as the seedlings have three or four leaves they should be transplanted to their permanent location. When transplanting, leave sufficient space between the plants for proper development. Most annuals grow best in a rich soil and an open, sunny position.

### Starting Seeds in Hotbeds or Cold Frames

Many annuals, if sown outside in May, will not bloom until late summer. To have them in bloom early they have to be started early in either hotbeds or cold frames. These consist of a wooden or stone

framework, generally 4x6 feet, over the top of which is set a glass sash or frame (see page 55). The back of the frame should be about 18 inches and the front end 12 inches high. A southern exposure is preferred. For a hotbed, dig out two feet of soil from the bottom and fill in with two feet of fresh horse manure to supply heat. Tramp this down solid, and place on top four or five inches of loose, mellow soil, mixed with humus. Plunge a thermometer into the soil and as soon as the temperature recedes to 90 degrees, the seed may be sown.

Seed may be sown in a hotbed as early as February and March, as the heat from the manure lasts for months. In a cold frame, which consists of the frame minus the layer of manure, seed may be sown in late March and April.

Snapdragons, Asters, Begonias, Carnations, Celosias, Cosmos, Cobaea, Dahlias, Heliotrope, Lobelia, Myosotis, Pansies, Petunias, Phlox, Salpiglossis, Salvia, Stocks, Vinca, Verbenas and Zinnias are some of the most important annuals to be sown in either hotbeds or cold frames.

The seed may be sown either right in the soil in the frame or in small seed boxes, which are generally about 3 inches high, 8 inches wide and 12 inches long. The soil should be well watered before sowing. Sow the seed evenly, but not too thinly, for often with fine seeds, they haven't the strength to break through the soil alone and "unity is strength."

**We Give  
Complete and  
Specific Cultural  
Directions  
on each pack-  
age of our  
Flower Seeds**

After sowing, press the soil down with a flat piece of board and cover with paper to prevent too rapid evaporation. This should be removed as soon as the seeds begin to sprout.

Always water through a fine rose, only when necessary, with tepid water, and as much as possible in the forenoon or mid-day on bright, sunny days, for if the soil is too wet over night, the small seedlings will become chilled and damp or rot off. When seedlings have four leaves, transplant in similar boxes one inch apart or singly into small pots. (Neponset Paper Pots are excellent for this purpose and quite inexpensive. (See page 59).

The earliness of starting the seeds will govern the amount and need for transplanting. Ventilate more or less according to the weather and gradually harden the plants, preparatory to setting them out when all danger of frost is past and the soil is warm.



A Garden Path Like This Converts the Most Indifferent Flower Lover.



# Flower Seed Novelties for 1932

## Dahlia, Coltness Hybrids Improved

An entirely new strain of these popular Mignon or Dwarf Bedding Dahlias. They will bloom in three months from seed and continue to bloom until frost. Forming very compact plants 18 inches high, they are ideal for bedding and come in a wide range of color from white to crimson, pale pink to rose and yellow, mauve, scarlet and purple. (Perennial). All colors in mixture. Pkt., 50c; 5 pkts., \$2.00.

## Petunia Bedding, Heavenly Blue

A new bedding Petunia and a delightful companion for Pink Glory or Rosy Morn. The color is an exquisite shade of silvery light blue. An ideal rock garden subject. (Annual). Pkt., 25c; 5 pkts., \$1.00.

## Petunia Theodosia

Here is something different in Petunias. Very desirable for bedding and for use in porch box decoration. The flowers have finely fringed edges with deep, open throats delicately veined and marked with gold. The color is a beautiful soft rose. (Annual). Pkt., 25c; 5 pkts., \$1.00.



Wrexham Delphinium.

## Aquilegia fl. pl. Red Riding Hood

Here is something very new in this popular flower. A double Columbine with outer petals—an exquisite rose shade spread out over a pure white double center. A decidedly dainty blossom and a very uncommon and effective color combination. (Perennial). Pkt., 50c; 5 pkts., \$2.00.

## Aquilegia, Long Spurred Crimson Star

A brilliant dark crimson, flowers held erect on good stems, very compact in growth. (Perennial). Pkt., 40c; 5 pkts., \$1.75.



Campfire Calendula.

## New Calendula "Sensation" or "Campfire"

A beautiful new variety that is a sensational development in Calendulas. It is a decided improvement over the ordinary varieties, both in form and substance, the flower being large and double throughout. The long, strong stems of Campfire make it unexcelled for cutting. Its color is a fascinating shade of rich brilliant orange with a scarlet sheen. It can also be recommended as the best Calendula for greenhouse forcing. (Annual). Pkt., 25c; 5 pkts., \$1.00.

## Eschscholtzia, Ramona

A new type of California Poppy. The flowers are large and frilled and of the lovely combination of coppery-gold shaded with pink. (Annual). Pkt., 15c; 5 pkts., 60c.



Aquilegia, Long-Spurred Crimson Star.

## New English Delphinium Wrexham Hollyhock Strain Hybrids Mixed

The new Wrexham Delphiniums are a phenomenal improvement over even the best of the old English Hybrids. They are entirely new in color and form, producing massive spikes of great length, covered with rosette blossoms of unusual dimensions. Color includes all the shades of lavender, blue and mauve to pinkish lavenders. Order this magnificent Delphinium early, as the demand is anticipated to exceed our limited supply of seeds. (Perennial). Pkt., 50c; 5 pkts., \$2.00.

## Mixture of Perennial and Annual Flower Seeds for Naturalizing

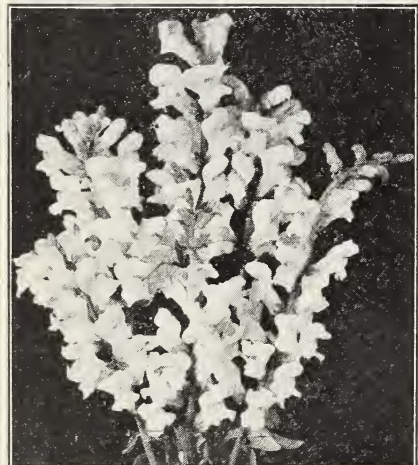
Have you any spot in your garden that is an eyesore? In this fascinating mixture which contains practically all known Annuals and Perennials we offer something that will not only add beauty to unsightly spots in your garden but will be a source of supply for your bouquets and table decorations. Pkt., 10c; oz., 25c; ¼ lb., 50c; ½ lb., 75c; lb., \$1.50.



# Seeds of the Annual Flowers



Ageratum, Little Blue Star.



Antirrhinum—Snapdragon.



Alyssum, Little Gem.

## Abutilon

(Flowering Maple)

A very attractive plant for the cool house and window box, in winter and early spring, and for bedding through the summer. Grows rapidly from seed and blooms perpetually. Leaves are very decorative and sometimes variegated. Pretty bell-shaped flowers borne the year around, in all colors. Height 3 to 4 feet. Pkt., 20c.

## Ageratum

One of the best plants for bedding. They bloom the whole summer long and always look well, even after rain. They are best started early in a hotbed or cold frame and set outside in May, but can also be grown satisfactorily from seed sown outdoors in May.

**Blue Cap.** (New). Rich deep blue, and the dwarfest variety we list. Pkt., 30c; 5 pkts., for \$1.25.

**Blue Perfection.** Deep amethyst-blue. The best cutting variety. Height 18 inches. Pkt., 10c; ¼ oz., 30c; oz., \$1.00.

**Little Blue Star.** A variety of very dwarf, even growth, used largely for edging. Bright blue flowers. Height 4 to 5 inches. Pkt., 20c; ¼ oz., \$1.00.

**Imperial Dwarf Blue.** Clear blue. Height 8 inches. Pkt., 10c.

**Little Dorritt.** The prettiest white variety. Very profuse bloomer. Compact growth. Height 9 inches. Pkt., 10c.

**Mauve Beauty.** Beautiful mauve colored flowers. Height 9 inches. Pkt., 15c.

### COLLECTION

1 packet each of the above varieties for 50c, Novelties excepted.

## Sweet Alyssum

Indispensable in your garden. Will grow anywhere and is best sown in its permanent location; blooms in 6 to 7 weeks and continues until frost. For early flowers sow in hotbed in March.

**Little Gem.** Very dwarf and compact; literally covered with white flowers. Height 6 inches. Pkt., 10c; ¼ oz., 20c; oz., 60c.

**Maritimum.** Pure white and fragrant; of trailing habit. Height 1 foot. Pkt., 10c; oz., 40c.

**Lilliput Bouquet.** Even more dwarf than Carpet of Snow. This is a fine variety for carpet beds and low edging. Height 3 inches. Pkt., 15c; ¼ oz., 40c.

**Lilac Queen.** A pretty lilac color. Delightful planted with a white variety. Height 9 inches. Pkt., 10c; ¼ oz., 25c; oz., 75c.

## Amaranthus

**Caudatus** (Love-Lies-Bleeding). Drooping red flower spikes. Height 3 feet. Pkt., 10c.

**Tricolor Splendens** (Joseph's Coat). Showy foliage plant—leaves scarlet, green and gold. Height 2½ feet. Pkt., 10c.

## Arctotis Grandis

(African Daisy)

Large, daisy-like flowers on long stems; pure white, black center with reverse of petals lilac-blue. Blooms from July until late frost. Height 2½ feet. Pkt., 10c.

## Annual Blue Anchusa

This useful annual resembles the Forget-me-not, but the flowers are larger and a deeper blue. Very easily grown and blooms all summer long. Pkt., 10c; ¼ oz., 25c.

## Palmer's Superb Antirrhinum (Snapdragons)

Sow seeds indoors in a frame in March for early bloom, and later, outside in May. If wanted for winter flowering, cut back in September. Snapdragons succeed best in a position in full sunlight, where they will have a free circulation of air.

### LARGE FLOWERING HALF-DWARF SNAPDRAGONS

A very desirable type about 18 inches high. Best for bedding.

Silvery Pink.	Pearly pink	Pkt.
Empress.	Crimson	\$0.10
Golden Queen.	Clear yellow	.10
Grenadier.	Orange-scarlet	.10
Purity.	Pure white	.10
The Fawn.	Rose and gold	.10
Choice Mixed.	All colors.	Pkt., 10c; ¼ oz., 40c; oz., \$1.50.

### COLLECTION

1 pkt. each of above 6 varieties, 50c.

### LARGE FLOWERING GIANT SNAPDRAGONS

(Height 2½-3 feet).	Pkt.
Crimson King.	Rich garnet-crimson... \$0.10
Fire King.	Brilliant orange-scarlet ... .10
Harmony.	Terra cotta shaded ... .10
Golden King.	Pure yellow ... .10
Queen Victoria.	Pure white ... .10
Rose King.	Silvery rose ... .10
All Colors Mixed.	Pkt., 10c; ¼ oz., 40c; oz., \$1.50.

### COLLECTION

1 pkt. each of above 6 varieties, 50c.

## Maximum or Super-Giant American Snapdragons

A new magnificent strain of monster Snapdragons produced on long, tall, robust flower spikes. Individual flowers are larger than any strain introduced heretofore. Height 4 to 5 feet.

### SUPERB NEW SNAPDRAGON, BLOSSOM TIME

This sensational Snapdragon is a clear iridescent pink, with a golden yellow throat. The flowers, of tremendous size, are held regularly all the way up the long, straight spike. Do not miss this glorious new variety. Pkt., 50c; ½ oz., \$1.00; oz., \$3.75.

Appleblossom.	Rosy pink, yellow lip...	Pkt. \$0.15
Bunch of Lilac.	Delicate lilac changing to purple	.15
Canary Bird.	Canary-yellow, golden yellow center	.20
Cerberus.	American Beauty rose, golden yellow lip	.15
Copper King.	Velvety copper scarlet	.15
Diamond.	Golden yellow, delicate lilac throat	.15
Golden Queen.	Deep golden yellow self.	.20
Indian Summer.	Velvety copper. This famous variety has created a reputation for itself wherever grown	.25
Purple King.	Deep glowing purple	.15
Snowflake.	Pure white, yellow throat	.15
The Rose.	Clear rose-pink self	.20
Wallflower.	Brownish orange suffused copper-red	.15
Superfine Mixture of American "Snaps."		Pkt., 15c; ¼ oz., 75c.

### COLLECTION

1 pkt. each of above 12 varieties, \$1.75.



## Palmer's Asters

To be able to cut abundantly over the long-est possible period, several sowings should be made of the different types. The first sowing should be made in the hotbed in March, then again in a cold frame in April and later out-of-doors in May. Keep the young seedlings on the dry side, as too much water at this time often starts the well known Aster stem rot, which does not manifest itself until the plants are about to bloom, when they suddenly turn yellow and die. Asters will thrive in any good soil, but the addition of some bone meal and lime will prove very beneficial. Plants should be set out in an open, sunny position, setting them 1 foot apart in the rows and 1½ to 2 feet in between rows. Cultivate between the plants freely and an application of even quantities of lime and wood ashes will arrest disease. We do not advise growing Asters on the same ground two years in succession.

### Early Asters (July-August)

#### EARLY WONDER ASTER

The earliest of all Asters. They bloom in July. Flowers are carried on long, stiff stems and are excellent for cutting. Flowers are large and full, of the Comet type. Height 18 inches.

Pkt.	Pkt.
Light Pink .....15c	Dark Blue .....15c
White .....15c	Carmine-Rose .....15c
Lavender .....15c	
Finest Mixed. ¼ oz., 75c.....10c	

#### COLLECTION

1 pkt. each of above 5 varieties, 60c.

#### EARLY BRANCHING OR ROYAL ASTERS

A very fine, dwarf, branching variety bearing a great profusion of medium size, compact flowers. Height 2 feet.

Pkt.	Pkt.
Lavender .....10c	Shell-Pink .....10c
Purple .....10c	Pure White .....10c
Rose-Pink .....10c	
Mixed. All colors. ¼ oz., 50c.....10c	

#### COLLECTION

1 pkt. each of above 5 varieties, 40c.

### Midseason (August)

#### NEW ASTER, CRIMSON GIANT

Plants of upright growth. Flowers large, double, bright crimson and very showy. Height 2½ feet. Per pkt., 10c; ¼ oz., 75c.

#### NEW SUNSHINE ASTER IMPROVED CALIFORNIA

Similar to Sunshine type but growing about 1 foot higher.

Pkt.	Pkt.
Flesh .....25c	Carmine .....25c
Lavender .....25c	True Pink .....25c

#### COLLECTION

1 pkt. each of 4 colors, 85c.

### Balloon Vine

A very rapid growing annual that succeeds best in a light soil and sunny position. White blossoms, light green balloon-shaped fruits. Height 5 to 10 feet. Per pkt., 10c.

### Balsam

(Lady's Slipper)

A half-hardy annual of easiest culture. Prefers a rich soil and plenty of water. For early bloom start seed in a cold frame in April. Height 2 feet. Per pkt., 10c.

White Salmon-Rose Mixed, 60c per oz.  
Pale Yellow Violet Scarlet

#### COLLECTION

1 packet each of above 5 varieties for 40c.

#### MIDSEASON ASTERS—Continued.

##### NEW SUNSHINE ASTERS

A new and distinct type of Aster. Flowers have long wavy petals and cushion center of a different shade. Height 1½ feet. Fine for bedding.

Pkt.	Pkt.
Pink .....25c	Lavender .....25c
Blue .....25c	Fine Mixed .....20c
White .....25c	

#### COLLECTION

1 pkt. each of 4 colors in the New Sunshine Asters for 85c.

#### CREGO'S IMPROVED GIANT COMET ASTERS

The finest of all Comet Asters. Tremendous, full, shaggy, well formed flowers borne on long stems. Fine for cutting. Height 2½ feet.

Pkt.	Pkt.
Rose-Pink .....10c	White .....10c
Shell-Pink .....10c	Light Blue .....10c
Crimson .....10c	Dark Blue .....10c
Mixed. All colors. ¼ oz., 50c .....10c	

#### COLLECTION

1 pkt. each of above 6 varieties, 50c.

#### NEW IMPROVED CALIFORNIA GIANT ASTERS

This wonderful new achievement in Asters combines the huge, shaggy flower of the Crego type with the long, non-lateral branching stems and sturdy habit of growth of the American Beauty type. Flowers measuring 5 to 6 inches in diameter are borne on stems 30 inches long. Height 3 feet.

Pkt.	Pkt.
Pure White .....15c	Deep Purple .....15c
Peach Blossom .....15c	Deep Rose .....15c
Light Blue .....15c	
Fancy Mixed. ¼ oz., \$1.00 .....15c	

#### COLLECTION

1 pkt. each of above 5 varieties, 60c.

### Late Asters (EARLY SEPT.) TILL FROST

#### AMERICAN BEAUTY

The finest late cutting Aster. Plants of branching habit. Flowers are very large—sometimes measuring 6 to 7 inches across, borne on stems 24 inches long. Bloom early September until destroyed by frost. Height 3 feet.

Pkt.	Pkt.
Lavender Gem .....15c	Autumn Purple .....15c
September Pink .....15c	White Beauty .....15c
American Beauty Rose .....15c	
Mixed. All colors. ¼ oz., 75c .....15c	

#### COLLECTION

1 pkt. each of above 5 varieties, 60c.

#### SINGLE CALIFORNIA ASTERS

Flowers carried on long stems and are dainty and daisy-like, making an excellent flower for vases.

Pkt.
All Colors Mixed. ¼ oz., \$1.00 .....15c

### Balsam Apple

(Mormordica Balsamina)

An ornamental vine attaining 10 to 15 feet in height, with orange colored apple-shaped fruits, which are used for medicinal purposes. Per pkt., 10c.

### Balsam Pear

(Mormordica Charantia)

Bright yellow pear-shaped fruit, larger in size than the Balsam Apple. The vines grow 10 to 15 feet in height. Pkt., 10c.

### Begonia

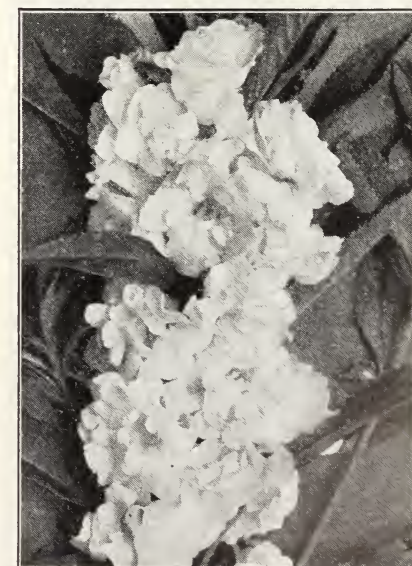
Used extensively for bedding. Will grow equally well in sunny or shady positions. Seed should be sown in February or March in the hotbed. The seed is very fine and should only be pressed into the soil and barely covered. Semperflorens, Mixed. Pkt., 15c.



Improved California Sunshine Aster.

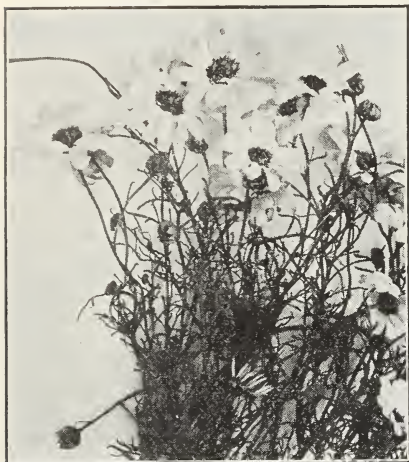


American Beauty Aster.



Balsam—Lady's Slipper.





Brachycome Iberidifolia.



Cardinal Climber.



Calendula, Ball's Orange.

## Bean - Scarlet Runner

A rapid growing climber bearing bright scarlet flowers and later edible podded beans. Height 8 feet. Pkt., 10c; ¼ lb., 25c; lb., 60c.

## Brachycome Iberidifolia

(Swan River Daisy)

Mixed. Delightful blue and white flowers resembling Cinerarias, borne on slender stems, with graceful foliage. Plants are profuse bloomers. Very useful for edging work and make pretty pot plants in winter. Sow seed in hotbed in March. Height 9 inches. Pkt., 10c.

## Cacalia

(Tassel Flower—Flora's Paint Brush)

A showy annual of very easy culture, with bright red and yellow tassel-like flowers. Blooms from July to September. Height 18 inches. Pkt., 10c.

## Canary Bird Vine

(Tropaeolum Canariense)

Decorative rapid climber with nasturtium-like foliage. Flowers are sulphur-yellow, lacinated at edges and from a distance look like canary birds perched along the vine. Height 10 feet. Pkt., 10c.

## Canna

(Indian Shot)

Blooms the first season if sown early. Make an incision in the seed with a file and soak in warm water for 24 hours before planting. This hastens germination.

French Mixed. A fine collection of the dwarf large flowering type. Pkt., 10c; oz., 25c.

## Cardinal Climber

One of the most beautiful climbers. A rapid grower, it reaches a height of 25 or 30 feet in a season. The flowers are trumpet-shaped and are a rich cardinal-red, and bloom until frost. Pkt., 10c; ¼ oz., 40c.

## Calendula (Pot Marigold)

Calendulas are very easy to grow, and bloom without interruption until severe frost. Sow them where they are to grow and thin out, leaving plants 12 inches apart. For early bloom, start in hotbed in March and April. Height 12 to 18 inches.

Campfire or Sensation. (See Novelty Section page 5 for description). Pkt., 25c; 5 pkts., \$1.00.

Radio. (New). Globe-shaped flowers of rich deep orange. Pkt., 25c; 5 pkts., \$1.00.

Ball's Improved Orange. Colossal double, glowing orange flowers of perfect form. Pkt., 15c; oz., 75c.

Prince of Orange. Rich orange-red, double. Pkt., 10c; oz., 60c.

Lemon Queen. Pale yellow, double. Pkt., 10c; oz., 60c.

Meteor. Creamy white with orange stripes. Pkt., 10c; oz., 60c.

Mixed. All colors. Pkt., 10c; oz., 40c.

## Calliopsis

(Tickseed)

The dainty daisy-like flowers of crimson, golden and yellow shades are carried in clusters on graceful stems. Sow seed in the open and thin out, leaving from 6 to 9 inches between plants. Keep the dead flowers cut off to prolong the blooming period into fall. Height 9 to 18 inches.

Atrosanguinea. Dark wine-red with velvety texture on petals. Pkt., 10c.

Golden Wave. Pure golden yellow with brown center. Pkt., 10c.

Tiger Star. Rich reddish brown tinged with golden yellow. Pkt., 10c.

Tom Thumb "Dazzler." Very large flower. Rich maroon-red center with a broad golden yellow border. Pkt., 25c; 5 pkts., \$1.00.

Crown of Gold. Pure golden yellow. Pkt., 10c.

Dwarf Varieties Mixed. Pkt., 10c; oz., 40c.

### COLLECTION

1 packet each of above 5 varieties for 50c.

## Candytuft

(Iberis)

It can be sown outside right where it is to bloom. To ensure continuous flowers, make successive plantings at intervals of two weeks from May until July. It blooms in 8 weeks from sowing. Use this delightful annual principally to fill in empty corners, for edging and in the rockery. Height 1 foot.

Pkt.	Pkt.
Carminc .....10c	Rose-Pink .....10c
Crimson .....10c	Lilac .....10c
Flesh Pink .....10c	White .....10c
Mixed. All colors. Oz., 40c	

### COLLECTION

1 packet each of above 6 varieties for 50c.

Giant White Hyacinth-Flowered. Immense trusses of pure white flowers, often 6 inches long. The largest of all Candytuft. Plants well branched, excellent for cutting. Pkt., 15c; oz., 80c.

## Carnation

(Giant Marguerite or Malmaison)

These Carnations will bloom the first year from seed, which should be sown in a hotbed in March or April, or outdoors in May. The blossoms are large, deliciously scented. They bloom in about 4½ months from time of sowing.

Pkt.	Pkt.
White .....10c	Red .....10c
Pink .....10c	Yellow .....10c
Mixed. All colors. ¼ oz., 50c	

### COLLECTION

1 packet each of above 4 varieties for 35c.

English Gold Medal Perpetual Hybrids. They will bloom in 4½ months from seed and after blooming all summer can be put in the greenhouse, where they will bloom perpetually through the winter. Flowers are large, and as beautiful as any seen in florist shops. This strain blooms 80 per cent double, and colors include red, yellow, pink, salmon, purple, crimson and white. To have blossoms over the longest possible time, sow seed in hotbed in February. All colors mixed. Pkt., 50c; 5 pkts., \$2.00.

## Chrysanthemum

Beautiful single Chrysanthemums, resembling large daisies, on long stems. Ideal for cutting and showy in the border. They grow very easily from seed and bloom quickly. Sow the seed where it is to grow, thin out. For early flowers start in cold frame in April.

Morning Star. Large primrose-yellow. Pkt., 15c.

Eastern Star. Yellow with brown disc in center. Pkt., 15c.

Evening Star. Deep golden yellow. Pkt., 15c.

Bridal Robe. Pure white; double; a fine cutting variety. Pkt., 15c.

Fringed Double Hybrids. All colors mixed. Pkt., 10c.

### COLLECTION

1 packet each of above 4 varieties for 50c.

## Clarkia

(Garland Flower)

Long graceful spikes of flowers resembling appleblossoms. Height 2 to 2½ feet.

Double Mixed. Pkt., 10c; ¼ oz., 30c.

## Cleome Pungens

(Giant Spider Plant)

A quick, easy growing annual with curious rose-colored flowers hanging gracefully on slender threadlike stems, resembling spider legs. Used extensively in parks and on large estates for planting among shrubbery. Height 4 to 5 feet. Pkt., 10c.

## Climbers, Assorted

This mixture contains every kind of quick-growing vine imaginable. Just the thing for planting to hide unsightly fences, etc., in the garden. All colors and varieties mixed. Pkt., 10c.



## Celosia

(Cockscomb)

Free blooming, very showy annuals that can be cut and dried for winter bouquets. The Dwarf Cockscombs are very showy in the border, and the feathered or plumed varieties look best in large beds, and are the best for cutting. Celosias prefer a light soil. Seed can be started in cold frame in April or sown outdoors in May. The dwarf varieties should be set 9 inches apart and the feathered varieties 18 inches apart.

### CELOSIA CRISTATA

(Crested or Dwarf Cockscomb)

**Glasgow Prize.** Immense dark crimson combs, bronze foliage. Height 1 foot. Pkt., 10c; ¼ oz., 50c.

**Golden Queen.** Large yellow combs. Height 1 foot. Pkt., 10c.

**Dwarf Varieties Mixed.** Height 1 foot. Pkt., 10c.

### CELOSIA THOMPSONI MAGNIFICA

PLUMOSA

(Feathered or Plumed Cockscomb)

**Crimson.** Height 3 feet. Pkt., 10c.

**Golden Yellow.** Height 3 feet. Pkt., 10c.

**Finest Mixed.** Height 3 feet. Pkt., 10c.

### CHINESE WOOLFLOWER

(Celosia Childsi)

This variety of Cockscomb has large, globular heads like balls of wool; very effective in masses. Height 3 feet. Pkt., 10c.

**Crimson.** **Pink.** **Yellow.** **Mixed.**

## Centaurea Imperialis

(Giant Royal Sweet Sultan)

These are a wonderful cutting flower, long stemmed, daintily fringed, most graceful in appearance and delightfully fragrant, and are very easy to raise. They bloom from June until frost. Seeds should be sown where they are to grow and thinned out, for they do not like to be transplanted. They like a sweet, rich, loose soil. In preparing the bed use plenty of lime and you will be amply rewarded. Height 2 to 3 feet.

Pkt.	Pkt.
<b>Brilliant Rose</b> .....10c	<b>Pure White</b> .....10c
<b>Deep Lavender</b> .....10c	<b>Delicate Lilac</b> .....10c
<b>White shaded Rose</b> 10c	<b>Royal Purple</b> .....10c
<b>All Colors Mixed.</b> Oz., \$1.00	.....10c

### COLLECTION

1 packet each of above 6 varieties, 50c.

## White Leaved Centaurea

(Dusty Miller)

The Dusty Millers are used extensively for edging beds and borders. Easily raised from seed.

**Candidissima.** Compact plant. Silvery leaves. Pkt., 10c.

**Gymnocarpa.** Graceful, arching, silvery gray leaves. Pkt., 10c.

## Centaurea Cyanus

(Cornflower)

Also known as Bachelor's Buttons, Bluets, Ragged Sailor, Bluebottle.

They are so easily raised and bloom continuously. They are a splendid cut flower and are very showy sown in a border with Shirley Poppies. If the soil is rich, the flowers will be larger and will have longer stems. To make sure of having plenty of flowers all summer, make sowings at intervals of three weeks, commencing in early May. Height 3 feet.

**Double Blue.** A fine selection containing huge, double flowers. Pkt., 10c; oz., 75c.

**Double Pink.** Clear rose-pink. Pkt., 10c.

**Double White.** Pkt., 10c.

**Single Blue Emperor.** Large, deep blue, single flowers. Pkt., 10c; oz., 50c.

**Double Mixed.** All colors. Pkt., 10c; oz., 50c.

### COLLECTION

1 packet each of above 4 varieties, 35c.

## Cosmos

This plant is one of the most useful annuals, blooming from late July until frost. Plants grow 4 to 7 feet tall, have dainty fernlike foliage and bear ideal cutting flowers on long stems.

### PALMER'S MAMMOTH EARLY FLOWERING COSMOS

Grows but 4 feet tall and begins to bloom in July, continuing until frost. Sow seeds outside in May. Pkt., 10c; oz., 60c.

**White.** **Crimson.** **Pink.** **Mixed.**

### COLLECTION

1 packet each of above 3 varieties for 25c.

### PALMER'S LATE FLOWERING OR LADY LENOX COSMOS

Huge flowers measuring from 4 to 5 inches across, on long stems. Bushes 6 to 7 feet high. Sow seed in cold frame in April or outdoors in May. Pkt., 10c; oz., 50c.

**White.** **Pink.** **Crimson.** **Mixed.**

### COLLECTION

1 packet each of above 3 varieties for 25c.

### Extra Early Double Crested Cosmos

This beautiful double Cosmos will bloom as early as the Mammoth Early Single variety. Plants grow from 3 to 5 feet tall. Our strain will give about 65% of double flowers from seed, the other 35% being semi-double and single.

Pkt.	Pkt.
<b>Pink Beauty</b> .....15c	<b>Crimson King</b> .....15c
<b>White Queen</b> .....15c	<b>Mixed.</b> Oz., \$1.00.15c

### COLLECTION

1 packet each of above 3 varieties for 35c.

### COSMOS, KLONDIKE

A gorgeous orange-yellow form of this popular flower. Blooms in August and September. Pkt., 10c.

## Cobaea Scandens

(Cup and Saucer Vine)

A climber of rapid growth, attaining a height of from 30 to 40 feet in a season. Will cling to any rough surfaces. In sowing the seed, place edgewise, and cover lightly with soil. For early results, start the seed indoors in April; can also be sown outdoors in May. Scandens. Large, bell-shaped, purple flowers.

**Pkt., 10c.**  
**Scandens alba.** A white form of the above. Pkt., 10c.

## Coleus

(Flame Nettle)

The most handsome foliage plant obtainable from seed. The large, broad, heart-shaped leaves are handsomely crimped and frilled and come in all bright showy color combinations of red, yellow, bronze, purple and green. Sow seed in frames in March or April. Height 1 to 2 feet.

**Palmer's Exhibition Hybrids.** All finest varieties in brilliant mixture. Pkt., 25c.

## Cuphea

(Cigar Plant)

Small scarlet and black tubular flowers resembling a miniature lighted cigar; dark green foliage. Height 10 inches.

**Platycentra.** Pkt., 10c.

## Cynoglossum

(Chinese Forget-Me-Not)

**Amabile.** Blue. Pkt., 25c.

**Amabile Pink.** Rich deep pink. Pkt., 25c.

## Cypress Vine

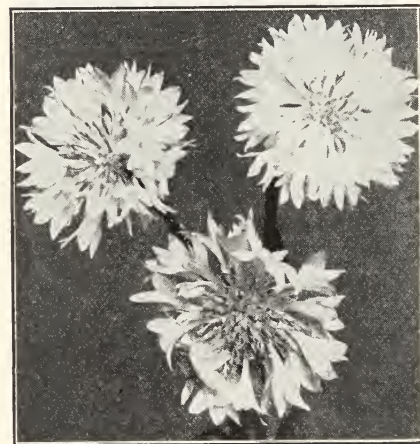
(Ipomoea Quamoclit)

A very useful rapid growing climber, having delicate fernlike foliage, and masses of beautiful, small, star-shaped flowers. Seed should be soaked in water for several hours before sowing. Sow outdoors in May. Height 15 feet. Pkt., 10c; oz., 30c.

**Scarlet.** **White.** **Mixed.**



Double Crested Cosmos.



Centaurea Cyanus.



Cynoglossum.





Didiscus—Blue Lace Flower.



Double Annual Gaillardia.



Collection of Everlasting Flowers.

### Dahlia

Sow seeds in the hotbed or cold frame in March and April, and they will begin to bloom in August.

Giant Single Mixed. Pkt., 10c.

Giant Double Mixed. Pkt., 10c.

Giant Cactus-Flowered Mixed. Pkt., 10c.

NEW STRAIN COLTNESS HYBRIDS. See Novelty page.

### Dianthus (Chinese and Japanese Pinks)

The varieties we list are really biennial but can be treated as annuals. Sow outdoors in May, as soon as danger of frost is past, and they will bloom very quickly and continue with a profusion of flowers until late fall. With slight protection they will live through the winter and bloom again the next season. For early flowers sow the seed in cold frame in April. Plants should be set out and thinned out to 6 inches apart. They grow in almost any soil, but should have a sunny location.

#### SINGLE PINKS

Crimson Belle. Single deep red. Pkt., 15c.

Vesuvius. Single orange-scarlet. Pkt., 15c.

Eastern Queen. Single rose-pink. Pkt., 15c.

Nobilis (Royal Pinks). Improved and selected Japanese Single Pinks; colors vary from white to dark red. Pkt., 10c.

Princess Pinks (Punctatus). Delightful variety with fringed flowers; mottled, spotted and flaked in a large range of colors. Pkt., 10c.

Single Japanese Pinks Mixed. (Heddegi). A splendid assortment of all varieties and colors. Pkt., 10c; oz., 50c.

#### COLLECTION

1 packet each of the 5 separate varieties for 50c.

#### DOUBLE PINKS

Fireball. Scarlet. Pkt., 15c.

Salmon King. Salmon-pink. Pkt., 15c.

Snowball. Double white. Pkt., 15c.

Violet Queen. Rich violet. Pkt., 15c.

Diadem Pinks. Various tints of lilac, crimson, maroon to very dark purple, with outer edges fringed and nearly white. Pkt., 10c.

Double Japanese Pinks Mixed (Heddegi fl. pl.). All varieties and colors mixed. Pkt., 10c; oz., 75c.

#### COLLECTION

1 packet each of the 5 separate varieties for 60c.

DIANTHUS CHINENSIS (Chinese Pinks). All colors mixed. Pkt., 10c; oz., 75c.

### Didiscus Coeruleus

(Queen Anne's Blue Lace Flower)

Exquisite large, lacelike flowers of a delicate azure blue, on long stems. Sow in hotbed in March and outdoors in May, for cutting flowers all summer long. Likes a good, rich, sweet soil and plenty of sunshine. Pkt., 10c.

### Dimorphotheca

(African Daisy)

They bloom all summer long from seed sown outside in May. For early flowers start in cold frame in April. Flowers are like a large daisy, 2½ inches in diameter, good for cutting. Bushes compact. Height 12 inches.

Aurantiaca (African Orange Daisy). Beautiful golden orange shade. Pkt., 10c.

Aurantiaca Hybrids. Colors range from white to bluish white, lemon-yellow to reddish yellow, pale salmon to golden orange. Pkt., 10c.

### Dolichos Lablab

(Giant Hyacinth Bean)

Rapid annual climber with large, pea-shaped blossoms, later developing into broad purple or white beans. Height 10 feet. Mixed, pkt., 10c.

### Echinocystis Lobata

(Wild Cucumber Vine)

One of the quickest of all annual vines. Splendid for covering trellises, old tree stumps, fences, etc. Bright green foliage and sprays of white flowers in July and August. Height 20 to 30 feet. Pkt., 10c; oz., 25c.

### Eschscholtzia

(California Poppy)

Excellent for beds and borders. Sow the seed in late April or early May where the plants are to bloom as they will not transplant. They will bloom until frost. Very pretty planted en masse with cornflowers. Height 1 foot.

Ramona. See Novelties, page 5.

Golden West. Yellow, orange center. Pkt., 10c.

Rose Queen. Rosy pink. Pkt., 10c.

Crimson King. Pkt., 10c.

Mauve Beauty. Pkt., 10c.

California Poppies Mixed. All colors. Pkt., 10c; oz., 35c.

#### COLLECTION

1 pkt. each of the above 4 varieties for 35c.

### Four O'clocks

(Marvel of Peru; Mirabilis)

Well known free-flowering plants. Supposed to open their blossoms at 4 o'clock in the afternoon but on cloudy days are out all day. Small trumpet-shaped flowers in bright colors. Grow anywhere. Height 2 feet. Pkt., 10c; oz., 20c.

### Fuchsias

Well known pot plant and greenhouse plant. Very decorative for window boxes. Sow seed in hotbed in February or March. Mixed, pkt., 35c.

### Gaillardia

(Blanket Flower)

Annual Gaillardias bloom quickly from seed and flower the whole summer long. Excellent for cutting. Flowers are single or double, in combinations of red, yellow and orange.

Palmer's Single Annual Mixed. Pkt., 10c; ¼ oz., 25c.

Palmer's Double Annual Mixed. Pkt., 10c; ¼ oz., 25c.

### Everlasting or Strawflowers

We offer a special collection of 12 of the easiest-to-grow Strawflowers. Not only decorative in the garden but when dried retain their color and make an effective winter bouquet. Should you wish only a few packets of Everlasting flowers we recommend Helichrysum, Statice, Gomphrena, Celosia, Ornamental Grasses listed separately in this catalog.

#### COLLECTION

12 different sorts.....50c.

### Euphorbia

Variegata (Snow-on-the-Mountain). Very popular foliage plant. Bushy plants with broad, green leaves veined and margined with white. Height 2½ feet. Pkt., 10c.

Heterophylla (Annual Poinsettia or Fire-on-the-Mountain). Resembling the Poinsettia in habit and color, with glossy, green leaves that change in midsummer to orange-scarlet. Height 3 feet. Pkt., 10c.

### Ferns

Just the thing for shady, moist places in your garden. It is more interesting to raise them yourself from seed. Sow in rich, sandy loam and, if possible, keep in a temperature of about 60 degrees until they germinate.

Hardy Varieties Mixed. Pkt., 15c.

### Geranium

Sow in March or April in cold frame and they will bloom in July.

Zonale Gold Medal Mixture. Pkt., 10c.



## Godetia

It will thrive in poor soil and partial shade and bloom profusely throughout June, July and August. Blossoms resemble Azaleas and are carried on long spikes. Excellent for cutting. Height 2 feet. Colors include pretty red and rose shades.

Choice Mixed, pkt., 10c; ¼ oz., 25c.

## Gomphrena

(Globe Amaranth; Bachelor's Buttons)

A very ornamental everlasting plant with bright colored flowers resembling heads of clover. They retain their color when dried and are fine for winter bouquets. Pkt., 10c. Mixed.

## Gourds (Ornamental)

Annual climbers that form curiously shaped fruits on vines 10 to 20 feet high. Sow the seed like you would squash or cucumber in hills 3 feet apart and allow 3 plants to grow in each hill. Useful for covering arbors, fences or stone walls.

Choice Mixed. All kinds. Pkt., 10c; oz., 25c.

## Grasses, Ornamental

These grasses are grown for garden decoration and winter bouquets.

**Job's Tears** (Coix Lachrymae). Broad, corn-like leaves. 2 feet. Pkt., 10c.

**Zebra Grass** (Eulalia Zebrina). Light green leaves with bars across foliage. 6 feet. Pkt., 10c.

**Pampas Grass** (Gynerium Argenteum). White silvery plumes. 5 feet. Pkt., 10c.

**Purple Fountain Grass** (Pennisetum Ruppelianum). Green foliage and purplish plumes. 3 feet. Pkt., 10c.

## Gypsophila

(Baby's Breath)

Dainty clusters of tiny star-shaped flowers, gracefully borne on slender stems. Wonderful to use in filling out bouquets of other flowers. Will bloom in six weeks, and to insure a continuous supply, a liberal sowing should be made through April, May and June at intervals of three weeks.

**Elegans Grandiflora Alba**. Pure white. Pkt., 10c; oz., 30c.

**Elegans Grandiflora Rosea**. Delicate pink. Pkt., 15c; oz., 50c.

## Helianthus

(Sunflower)

An attractive flower with many interesting forms, growing to a height of 3 to 7 feet. Used for cutting and screening unsightly places. Sow where it is to bloom.

**MAROON PRINCE**. A new and superior dwarf Sunflower. Beautiful maroon shade. Pkt., 15c; ¼ oz., 50c.

**New Miniature Mixed**. The most desirable varieties of dwarf sunflowers obtainable. Splendid for cutting and bedding. Pkt., 10c; ¼ oz., 25c; oz., 75c.

**Red Hybrids**. Various shades of red. Abundant bloomers. 4 to 6 feet high. Pkt., 10c; ¼ oz., 25c; oz., 75c.

**Chrysanthemum-Flowered**. Large, fringed yellow, ball-shaped flowers on stiff stems. 7 feet tall. Pkt., 10c; oz., 75c.

**Manmoth Russian**. Common Sunflower grown mostly for its seeds, which are fed to poultry and parrots. Pkt., 5c; ¼ lb., 10c.

## Heliotrope

Good for bedding and is an excellent subject for pot culture. Start the seeds in hotbed or cold frame in March or April. Height 12 to 18 inches.

**Palmer's Dwarf Giant-Flowered Mixed**. Pkt., 15c.

## Hollyhocks

**Annual Everblooming**. If started in frame, may be had in bloom in July and will continue until frost. Plants of branching habit. Height 5 to 7 feet. All colors mixed. Pkt., 10c; oz., 75c.

## Helichrysum

(Strawflower)

The most popular of all everlastings, they are used extensively for cutting and for winter bouquets when dried. To preserve them, cut the flowers before they are in full bloom and hang them with heads downward in a dry place. Make first sowings in a hotbed in March and a second outdoors in May. Height 2 feet.

**Fireball**. Bright red. Pkt., 10c.

**Golden Ball**. Golden yellow. Pkt., 10c.

**Snowball**. Pure white. Pkt., 10c.

**Rose Queen**. Bright rose. Pkt., 10c.

**Salmon Queen**. Rosy salmon. Pkt., 10c.

**Violet Queen**. Rich violet. Pkt., 10c.

**Double Mixed**. All colors. Pkt., 10c; oz., 80c.

### COLLECTION

1 packet each of above 6 varieties for 50c.

## Humulus Japonicus

(Japanese Hop Vine)

An attractive rapid growing annual climber; attains 20 to 30 feet in a season. Foliage beautifully variegated, free from insects. Pkt., 10c.

## Hunnemannia

(Giant Yellow Tulip Poppy)

This glorious golden yellow Poppy is the only one that, when cut, will last in water. Plant forms a large bush and is literally covered with large Poppy flowers all summer long. Foliage is feathery. Soak the seed in water 24 hours before sowing, as it germinates very slowly, and sow outdoors in May. It lasts in water for two weeks. Height 2 feet. Pkt., 10c.

## Kochia

(Burning or Mexican Fire Bush; Summer Cypress)

This beautiful easily grown annual forms a cypress-like, symmetrical bush of a lively green color. By midsummer it attains a height of 3 feet and in the fall the whole plant turns to deep russet crimson. A splendid plant to form a low hedge or for a border. Sow the seed where it is to grow and thin out. Pkt., 10c; oz., 30c.

## Kudzu Vine

(Pueraria Thunbergiana)

A large-leaved, rapid growing, hardy climber bearing rosy purple, pea-shaped flowers in August. Though a perennial, this vine may be treated like an annual if sown early. Will attain a height of over 25 feet after the first season. Pkt., 10c.

## Lantana

Very desirable for bedding and window boxes. Start the seed early in the cold frame for best results. Colors include red, orange, cream, salmon, pink and gold.

**Palmer's Brilliant Hybrids Mixed**. Pkt., 10c.

## Leptosiphon

FRENCH HYBRIDS

Plants give a mass of small, trumpet-shaped flowers ranging from yellow to rose, ivory to chrome, often tinged pink. Very good for the rock garden. Sow seed where it is to grow, in May. Pkt., 10c.

## Lobelia

A beautiful dwarf flowering plant used extensively for hanging baskets, window boxes and edgings of beds and borders. Start seed in hotbed in March or outdoors in May.

**Crystal Palace Compacta**. Forms neat little, ball-shaped bushes covered with dark blue flowers and dark foliage. Fine for carpet bedding or edging. Height 4 inches. Pkt., 15c; ¼ oz., \$1.00.

**Blue Emperor**. Sky-blue with light foliage. Height 4 inches. Pkt., 10c.

**Compacta Mixed**. All dwarf varieties in mixture. Height 4 to 6 inches. Pkt., 10c.



Lantana.



Hunnemannia.



Lobelia, Crystal Palace.





Larkspur La France.



Marigold, Golden Ring.



Moonflowers.

## Larkspur

(Annual Delphinium)

They bloom quickly from seed and are exceedingly graceful and attractive in the garden in beds or as cut flowers in vases. The plants are of well branched habit and continue to bloom all summer. Spikes may be cut 2 to 3 feet in length and the blossoms are set closely and thickly up the stem. For early bloom sow the seed in the hotbed or cold frame in March or April and for later flowers sow seed outside in May and transplant for best results. Plants should be set 12 inches apart.

### NEW GIANT BRANCHING

La France. True salmon-pink. Pkt., 25c.  
White Spire. Pure white. Pkt., 25c.

### DOUBLE STOCK-FLOWERED

Pkt.	Pkt.
Lilac Blue .....10c	Rose-Pink .....10c
Azure Blue .....10c	Carmine-Rose .....10c
Dark Blue .....10c	Scarlet .....10c
Flesh Pink .....10c	White .....10c
Mixed. ½ oz., 50c	.....10c

### COLLECTION

1 pkt. each of the above 8 varieties for 65c.

**LARKSPUR AJACIS** (Dwarf Rocket Larkspur). Blooms earlier than the above and is of low, compact growth. Mixed colors, pkt., 10c; ½ oz., 50c.

**HYACINTH-FLOWERED LARKSPUR.** A new type growing to a height of 5 feet, with large, hyacinth-shaped, double flowers thickly studded up the stem. Mixed. Pkt., 20c; ½ oz., \$1.00.

## Lupinus

(Lupine)

Very easily grown annuals with long, graceful spikes of small, pea-shaped flowers. They make a gorgeous display as a cut flower or in the border. Sow seed in May where you want them to grow. Will do well in semi-shade. Height 2 feet.

Blue. Pkt., 15c.  
White. Pkt., 15c.  
Sulphur Yellow. Pkt., 15c.  
Rose Pink. Pkt., 15c.  
Mixed. All colors. Pkt., 10c; oz., 40c.

### COLLECTION

1 packet each of above 4 varieties for 50c.

## Marigold

The French or dwarf varieties are valuable for edging and borders, and start to bloom earlier than the Tall or African sorts. Sow the seed where it is to grow outside in May, and for early flowers start in the cold frame in April.

**AFRICAN or TALL MARIGOLDS.** 2 to 3 feet in height.

**Orange Prince.** Enormous flowers of perfect shape; golden orange color. Pkt., 10c; ¼ oz., 30c; oz., \$1.00.

**Lemon Queen.** Clear, soft lemon yellow. Pkt., 10c; ¼ oz., 30c; oz., \$1.00.

**Pride of the Garden.** Huge golden orange flowers. Compact, dwarf habit; the plants form dense bushes only 15 to 18 inches tall. Pkt., 10c; oz., 75c.

**African Double Mixed.** A superb mixture of the above varieties. Pkt., 10c; ¼ oz., 25c; oz., 75c.

**FRENCH OR DWARF MARIGOLDS.** 1 foot.

**Legion of Honor (Little Brownie).** A single Marigold of bushy habit with golden yellow flowers and a velvety crimson spot at the top of each petal. Fine for borders, growing 9 inches high. Pkt., 10c; 1 oz., 50c.

**Double Gold Striped.** Brownish red, beautifully striped with gold. Pkt., 10c; oz., 50c.

**Golden Ring (Tagetes signata pumila).** A very delightful little Marigold forming a compact, round bush with fern-like foliage and an abundance of dainty single golden orange flowers. Height 9 inches. Pkt., 15c.

**French Dwarf Double Mixed.** A fine assortment saved from prize flowers. Pkt., 10c; oz., 50c.

### SPLendid MARIGOLD COLLECTION

1 packet each of the 6 varieties (3 African, 3 French) for 50c.

## Linum

(Scarlet Flax)

Very showy annuals of long duration, having fine foliage and brilliant scarlet-crimson, cup-shaped flowers. Seed can be started in frames in March or sown outside in May. Height 12 inches.

**Grandiflorum Rubrum.** Pkt., 10c; ½ oz., 30c.

## Mimosa Pudica

(Sensitive Plant)

A very curious foliage plant with acacia-like foliage, bearing fuzzy pink flowers which close up when touched. Pkt., 10c.

## Mignonette

(Reseda)

Mignonette grows best in a rich, moist soil, in a position where it gets the early morning sun only, i. e., give it an eastern exposure. This plant does not like to be transplanted, so should be sown where it is to grow and thinned out. Height 12 to 18 inches.

**Defiance.** Large, fragrant spikes, 12 to 15 inches long and an excellent keeper. Pkt., 10c; oz., 60c.

**Golden Machet.** A decided improvement on the old Machet variety. Very fragrant and a free bloomer. Pkt., 15c; oz., 75c.

**Red Goliath.** Red spikes, fragrant and very brilliant colorings. Pkt., 15c; oz., \$1.00.

**Old Fashioned Sweet Scented.** Not as tall as the above varieties, but still in great demand for its wonderful fragrance. Pkt., 10c; oz., 25c.

## Morning Glories

(Ipomoea)

Popular rapid-growing climbers used for growing on trellises, arbors, walls and to cover unsightly places. Trumpet-shaped flowers carried in great profusion in a large array of colors. Soak seed in water before sowing to aid germination, and plant seeds where they are to grow.

**Imperial Japanese.** The largest and most vigorous of all Morning Glories. Flowers measure from 3 to 4 inches across and come in the most wonderful colors. Some are plain edged and others beautifully ruffled and frilled. Mixed. Pkt., 10c; oz., 25c; ¼ lb., 75c.

**Old Fashioned Mixed (Convolvulus).** Flowers smaller than the Japanese, but a very free bloomer. Pkt., 5c; oz., 15c.

**Brazilian (Setosa).** Very vigorous grower with huge leaves 6 to 8 inches across, overlapping each other. Large, rose-pink flowers in clusters. Pkt., 15c.

## Moonflower

(Ipomoea noctiflora)

Rapid climbers, reaching to a height of 20 to 30 feet in a season. Their luxuriant foliage affords dense shade. For best results start indoors in March or April, soaking seeds in warm water for several hours to hasten germination. The flowers open at sunset or on dull days and close in the morning.

**Giant White.** Huge white trumpet-shaped flowers measuring as much as 6 to 8 inches across. Slightly fragrant. Pkt., 10c; oz., 40c.

**Heavenly Blue.** Large sky blue flowers, which are very effective against their green background of leaves. Pkt., 10c.

## Myosotis

(Forget-Me-Not)

The following varieties are really biennials, but are best treated as annuals in our climate. Seed should be sown in hotbed or cold frame in early spring and they will bloom in July. For earlier bloom sow the seed in August and winter over in a cold frame, as you do with pansies. Prefer a cool, half shady place. Height 12 inches.

**Alpestris.** Royal or Indigo blue. Pkt., 10c.

**Alpestris, Victoria.** Clear azure-blue. Pkt., 10c; ¼ oz., 50c.

**Alpestris alba.** Pure white. Pkt., 15c.

**Alpestris rosea.** Delicate pink. Pkt., 25c.

**Finest Mixed.** Pkt., 10c; ¼ oz., 40c.

### COLLECTION

1 pkt. each of the above 4 varieties for 50c.



## Nasturtiums

They will grow in any soil and withstand any amount of heat and drought. The Dwarf varieties are suitable for edgings, borders and window boxes, and the Tall or Climbing varieties for use on trellises, verandas, etc., or trailing over rocks. Plant the seed where it is to grow any time in May or June. The best way to sow is to drop 3 seeds at a spot at intervals of 6 or 8 inches.

### PALMER'S DWARF NASTURTIUMS—

**Chameleon.** Many varied colors on each plant. Pkt., 10c.

**Crystal Palace Gem.** Dark red flowers with yellow blotches. Pkt., 10c.

**Golden King.** Rich golden yellow. Pkt., 10c.

**King of Tom Thumbs.** Scarlet. Pkt., 10c.

**King Theodore.** Crimson flowers, dark foliage. Pkt., 10c.

**Pearl or Moonlight.** White flowers. Pkt., 10c.

**Palmer's Brilliant Dwarf Mixture** contains all the choicest varieties in a long range of colors. Per pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

### COLLECTION

1 pkt. each of the above 6 varieties for 50c.

### PALMER'S TALL or CLIMBING NASTURTIUMS—

**Chameleon.** Combination red and yellow shades. Pkt., 10c.

**Golden Leaved.** Scarlet. Pkt., 10c.

**Jupiter.** Golden yellow, large flowers. Pkt., 10c.

**King Theodore.** Crimson. Pkt., 10c.

**Pearl or Moonlight.** White flowers. Pkt., 10c.

**Vesuvius.** Salmon. Pkt., 10c.

**Palmer's Brilliant Tall Mixture.** A rich mixture of prize varieties in all colors. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

### COLLECTION

1 pkt. each of above 6 varieties for 50c.

**LOBB'S CLIMBING NASTURTIUM.** The foliage and flowers of this rapid climbing type are somewhat smaller than the Tall Nasturtiums, but the colors are more brilliant and the blooms more abundant. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

## Nicotiana

(Flowering Tobacco)

Long, tube-shaped flowers emitting a delightful fragrance in the evening. Sow seed where it is to grow in May. Height 3 feet.

**Affinis.** Pure white, fragrant flowers. Pkt., 10c.

**Sanderae.** Brilliant carmine-red flowers. Pkt., 10c.

**Affinis Hybrids.** Mixed colors containing pink, red and white shades. Pkt., 10c.

## Nemophila Insignis

(Baby's Eyes)

This delightful little annual grows only 6 inches tall in small, compact bushes literally covered with small, cup-shaped, sky-blue flowers. Blooms all summer long and does well in almost any soil. Sow the seed where it is to grow as you would Sweet Alyssum. Height 6 inches. Pkt., 10c; oz., 50c.

## Nigella

(Love-in-a-Mist)

**Miss Jekyll.** Lovely cutting flowers of true cornflower blue, surrounded by slender, mistlike foliage. Sow the seed outdoors in May. Delightful planted together with Shirley Poppies. Height 12 to 15 inches. Pkt., 10c; oz., 75c.

## Passiflora Coerulea

(Passion Vine)

Tender perennial vine that will bloom the first year from seed if started in hotbed in March. Curious large blue flowers and handsome three-fingered foliage. Pkt., 10c.

## Pansies

For early spring bloom, sow the seed in August and winter them over in a cold frame. For summer bloom, sow in a cold frame in March or April and plant out in a semi-shaded, cool location and they will bloom in June and continue until frost. Pansies like a well moistened soil enriched with a slight amount of barnyard manure or bone meal.

### PANSIES IN MIXTURE

**Steele's Mastodon Miracle Mixed.** (Original strain from raiser). The best American strain of Giant Pansies ever introduced; used extensively by florists for cut flowers, and well known for its huge flowers carried on long stems, in a marvelous array of colors. Pkt., 35c; ¼ oz., \$2.00.

**Mettes' Triumph of the Giants.** A superb European strain. Remarkable on account of the perfect symmetry of its flowers and the sturdy growth of the plants. Contains many colors formerly unknown to Pansy lovers, such as salmon-pink, apricot, wine-red, etc. Pkt., 25c; ¼ oz., \$1.25.

**English Show Varieties Mixed.** Includes all the recent developments of a well known English specialist. Pkt., 25c; ¼ oz., \$1.00.

**Masterpiece (Frilled Pansy).** Beautifully curled and waved Pansies in a wide range of exquisite colors. Pkt., 15c; ¼ oz., \$1.00.

### PALMER'S TWENTIETH CENTURY MIXTURE

The finest mixture of Pansies on the market today. Contains all of the above wonderful strains and others, including Cassier's, Bugnot's and Perret's. In it are included every known shade and color marking, only the largest and finest perfectly formed flowers. Many ruffled at the edges, carried on long, sturdy stems. Pkt., 35c; ¼ oz., \$1.75; ½ oz., \$3.25; oz., \$12.00.

### PANSIES IN SEPARATE COLORS

**Cardinal.** Rich red. Pkt., 10c.

**Adonis.** Lavender blue. Pkt., 10c.

**Golden Queen.** Rich yellow. Pkt., 10c.

**Royal Blue.** Rich blue. Pkt., 10c.

**Lord Beaconsfield.** Deep violet, shading to white. Pkt., 10c.

**Snow Queen.** Pure white. Pkt., 10c.

**Palmer's Fine Mixed.** All colors. Pkt., 10c; ¼ oz., 60c.

### COLLECTION

1 pkt. each of the above 6 separate colors for 50c.

## Portulaca

(Rose Moss)

They grow but 4 inches tall, are of creeping habit and form a showy carpet when grown in beds. Flowers measure 1 inch across and come in many shades of red, white, pink, orange, yellow and crimson. Foliage is thick and fleshy. They are often used as an undergrowth for gladioli and roses; for borders, and edgings, and scattered through the rock garden or sown between stepping stones and paths. Sow the seeds outdoors early in May and just press the seed into the soil and they will bloom throughout the summer. When broadcasting mix with dry sand to insure an even distribution. Height 4 inches.

**Single Mixed.** Glossy cup-shaped flowers in all colors. Pkt., 10c; oz., 50c.

**Double Mixed.** Roselike, in brilliant colorings. Pkt., 10c; ¼ oz., 60c.

## Ricinus

(Castor Oil Bean)

These stately ornamental plants are fine for using in foliage beds where a tropical effect is wanted. They grow rapidly from seed and make a good show very quickly. Sow seeds in a small pot, one seed to a pot, for early plants or for later, outdoors in the ground in May. Height 5 to 8 feet.

All Varieties Mixed. Pkt., 5c; oz., 10c.



Steele's Mastodon Pansies.



Myosotis, Forget-me not.



Nigella.





Single Fringed Petunias.



Phlox Drummondii.



Double Portulaca.

## Petunias

They are easily raised from seed and bloom continuously throughout the summer until destroyed by frost. They are equally effective as borders, for edges of beds or for mass planting and for pots and window boxes. They demand only a good soil and a sunny position. Sow the seeds in the hotbed or cold frame in March or April, for early bloom, covering the seeds but lightly, as they are very fine. The single bedding sorts can be sown outdoors in May, right where they are to grow, and should be thinned out for best results.

### Large-Flowered Petunias

**California Giants.** The huge flowers, measuring 4 to 5 inches across, have deep veined throats with the edges exquisitely ruffled and fringed. Pkt., 25c; 5 pkts., \$1.00.

**Giant Flowering Dwarf Fringed.** A dwarf, sturdy growing type especially suited for pot or window box culture. Flowers are beautifully fringed and ruffled, with open, well marked throats. Mixture contains a wide assortment of the most desirable colorings. Height 8 to 10 inches. Pkt., 35c; 3 for \$1.00.

**Ruffled Giants.** A wonderful Giant strain with handsomely fringed and fluted edges. Flowers are exquisitely blotched and marbled and colors are mostly the desirable reds, purples and dark shades, richly marked and veined. Pkt., 25c.

### Giant Double Petunias

In growing Double Petunias from seed, the weaker seedlings should be saved, as these usually produce the finest double flowers.

**Giant Double Mixed.** Our strain contains a very high percentage of tremendous double flowers in a wide range of gorgeous colorings. Pkt., 25c.

**Giant Double Fringed Mixed.** A glorious mixture of colossal double flowers with the edges of the petals beautifully fringed. All the richest color combinations are included in this special assortment. Pkt., 35c; 3 for \$1.00.

### Dwarf Bedding Petunias

The following are the most desirable varieties for bedding, borders, edges and mass plantings. They are of low, compact growth and are literally a mass of bloom all summer long.

**Theodosia.** See Novelty page. Pkt., 25c.

**Heavenly Blue.** See Novelty page. Pkt., 25c.

**Pink Glory.** (New). A decided improvement on Rosy Morn and Rose of Heaven. Carries an abundance of clear, flaming rose-pink flowers of large size on plants 12 inches high. Pkt., 30c; 5 pkts., \$1.25; 1/16 oz., \$3.00.

**Rosy Morn.** An old favorite. Soft rose-pink with white throat. Pkt., 10c; 1/4 oz., \$1.00.

**Rose of Heaven.** Brilliant rich rose. Pkt., 10c; 1/4 oz., 75c.

**Howard's Star.** Rich crimson with white-starred center. Pkt., 10c.

**Snowball.** Pure white. Pkt., 10c.

**Violet Queen.** Rich violet-blue. Pkt., 15c; 1/4 oz., \$1.00.

**Striped and Blotched.** Large, beautifully marked flowers. Pkt., 15c.

**Palmer's Splendid Bedding Petunias Mixed.** Pkt., 10c; 1/4 oz., 60c; oz., \$1.75.

#### COLLECTION

1 pkt. each of above 7 varieties for 75c.

### Balcony Petunias

A very desirable type for window or porch boxes and for bedding. The plants, of slightly trailing habit, are covered all summer with a profusion of flowers, measuring 3 inches across.

Pkt.	Balcony Rose-	Pkt.
Balcony Blue . . . . .15c	Pink . . . . .15c	
Balcony White . . . . .15c	Balcony Mixed,	
Balcony Crimson .15c	1/4 oz., \$1.00. . . . .15c	

#### COLLECTION

1 pkt. each of above 7 varieties, novelties excepted, for 75c.

## Phlox Drummondii

For early flowers sow the seed in the hotbed or cold frame in March or April. For summer bloom, sow outdoors in May and thin out. Phlox like a rich, mellow soil and a sunny position. Height 1 foot.

Pkt.	
Daybreak Pink. Soft rose . . . . .10c	
Pure White . . . . .10c	
Chamois Rose. Salmon-pink . . . . .10c	
Brilliant Red . . . . .10c	
Isabellina. Pale yellow . . . . .10c	
Purple . . . . .10c	
Finest Mixed. All colors. 1/4 oz., 30c; oz., \$1.00 . . . . .10c	

#### COLLECTION

1 pkt. each of above 6 varieties for 50c.

**PHLOX DRUMMONDI NANA COMPACTA GRANDIFLORA.** A charming dwarf type very desirable for edging. Plants grow only 6 inches high and form a neat perpetual blooming border.

Pkt.	
Salmon-Rose . . . . .20c	
Fireball. Brilliant scarlet . . . . .20c	
Pale Yellow . . . . .20c	
Snowball. Pure white . . . . .20c	
Dwarf Finest Mixed. 1/4 oz., 40c . . . . .20c	

### Star Phlox

(Phlox Cuspidata)

Beautiful star-shaped flowers. All colors mixed. Pkt., 10c; 1/4 oz., 35c; oz., \$1.25.

## Annual Poppies

Sow the seed in early May where they are to grow and thin out, as they cannot be transplanted.

**Palmer's Superb Double Hybrids Mixed.** A splendid strain of enormous double, fluffy, fringed flowers, as large as Peonies, in many shades of pink, white, red, and salmon—many of them striped. Height 3 feet. Pkt., 25c; 1/2 oz., 50c.

**Double Peony-Flowered.** Large, broad petaloid, double flowers in many bright colors. Height 2 feet. Pkt., 10c; oz., 40c.

**Double Carnation-Flowered.** A fine strain of large, fringed flowers, resembling a carnation. Height 2 feet. Pkt., 10c; oz., 40c.

**Danebrog or Danish Cross.** Showy, single, scarlet Poppies with a white blotch on each petal forming a cross. Pkt., 10c.

**Tulip-Flowered Scarlet.** Beautiful large, tulip-shaped flowers. A very attractive variety. Pkt., 10c; oz., 80c.

**Annual Poppies Mixed.** This assortment contains all of the above Poppies, both Single and Double, in every color known to these dainty flowers. Pkt., 10c; oz., 30c; 1/4 lb., \$1.00; lb., \$3.25.

### Shirley Poppies

**Palmer's New Improved.** A very select strain of these dainty Poppies. They are delightful planted with cornflowers or broadcast in large patches through the garden.

Pkt.	White	Pkt.
Apricot . . . . .15c	White . . . . .15c	
Rose-Pink . . . . .15c	Blue Shades . . . . .15c	
American Legion. Dazzling scarlet . . . . .15c		

#### COLLECTION

1 pkt. each of above 5 varieties, 60c.

**Shirley Poppies Select Single Mixed.** Pkt., 10c; oz., 40c.

**Shirley Poppies Select Double Mixed.** Pkt., 15c; oz., 75c.



## Salpiglossis

(Painted Tongue)

Delightfully showy flowers in exquisite colors and color markings. Seed should be started in the hotbed in March or cold frame in April for best results. It may be sown outdoors in May and thinned out. Salpiglossis prefers a sheltered location in the garden and a well drained soil, when it will bloom from July to frost. Height 18 inches.

Pkt.	Pkt.
Rose and Gold...10c	Light Blue and Gold 10c
Chamois .....10c	Yellow and White...10c
Purple and Gold 10c	Crimson and Gold...10c
Superb Mixture. All colors. ¼ oz., 50c..10c	

### COLLECTION

1 pkt. each of the above 6 varieties for 50c.

## Salvia

(Scarlet Sage)

They form bushy plants and bloom continuously from midsummer until late frost. They are very desirable for formal beds, as a border for Cannas or planted in clumps through the border. Seed should be started in the hotbed in February or March or in the cold frame in April and the plants set outside in May.

**America (Globe of Fire).** A new dwarf Salvia variety, growing only 15 inches high. Forms compact oval-shaped bushes that are literally ablaze with flowers all summer long. Pkt., 15c; ¼ oz., \$1.00.

**Zurich.** A valuable variety of dwarf habit; the earliest of all Salvias to bloom. Height 18 inches. Pkt., 10c.

**Bonfire.** Compact plants covered with large brilliant scarlet flowers on long spikes. Height 2 feet. Pkt., 10c.

**Patens (Blue Sage).** Bushy plants with long spikes of bright blue flowers. Height 2 feet. Pkt., 20c.

**Farinacea.** Really a perennial, this desirable Salvia will bloom the first year from seed if started in the hotbed in February or March. Bushes grow 4 to 5 feet tall and carry long spikes of pale blue flowers, excellent for cutting. Pkt., 15c; ¼ oz., 75c.

## Saponaria Multiflora

(Carpet of Pink)

A delightful low edging plant with pink starry flowers in great profusion. Seed may be started early in the frames or sown outdoors in May. Blooms from May until frost. Height 6 inches. Pkt., 10c.

## Schizanthus

(Butterfly Flower or Poor Man's Orchid)

Free flowering attractive annuals forming neat bushes, literally covered with dainty butterfly-like flowers in a wide range of colors and shadings. Seed should be started in the frame in April for early bloom or sowed outside in May. Height 18 inches. Pkt., 10c.

## Scabiosa

(Mourning Bride—Fin Cushion or Sweet Scabious Flower)

One of the finest cutting annuals and very showy in the garden. The many colored flowers are carried on long graceful stems and bloom freely all summer. Sow seed in the frame in March or April for early flowers or outdoors early in May. Height 2½ to 3 feet.

### IMPROVED GIANT DOUBLE VARIETIES

Pkt.	Pkt.
GIANT LOVELINESS. Decided improvement. Salmon-rose color .....\$0.25	
Azure Fairy. Clear lavender-blue .....10	
Black Purple (Mourning Bride) .....10	
Bright Scarlet .....10	
Flesh Color .....10	
Shasta. New improved white variety ..10	
Peach Blossom. A delightful pale pink ..10	
Sulphur Yellow .....10	
Finest Double Mixed. ¼ oz., 25c; oz., 75c ..10	

### COLLECTION

1 pkt. each of the above varieties for 75c.

## Silene

(Catchfly)

This effective little annual forms compact round bushes which are covered all summer long with pretty pink, white and red flowers. Desirable for edgings. Sow seed where it is to grow. Height 6 inches. Pkt., 10c.

## Statice

(Sea Lavender)

These beautiful everlastings are very desirable either in the garden or dried in winter bouquets. A profusion of the attractively colored box-shaped flowers are borne all along the branches, which can be cut with 18-inch stems. Statice succeeds best in a poor, slightly moist soil. Sow the seed in frames in March or April and later again outdoors. Height 18 inches to 2 feet.

**Sinuata Rosea.** Pale rose-pink. Pkt., 10c.

**Sinuata Blue.** Rich blue. Pkt., 10c.

**Bonduelli.** Golden yellow. Pkt., 10c.

**Suworowi (Russian Statice).** Very different from the sinuata type, this variety forms large feathery flower spikes of a soft rose color. Very good for cutting. Pkt., 15c.

### COLLECTION

1 packet each of the 4 varieties for 40c.

## Stocks

(Gilliflower)

Delightfully fragrant annuals of long duration of bloom. They are excellent for bedding or pot plants. For early bloom sow the seed in the hotbed in February or March, or in the cold frame in April. Stocks grow best in a well enriched soil and a fairly sunny position.

**DRESDEN PERPETUAL or IMPROVED CUT-AND-COME-AGAIN STOCKS.** This variety of 10-weeks Stock is very adaptable for cutting. They send up numerous spikes of fragrant large double flowers in continuous succession. Height 18 inches.

Pkt.	Pkt.
Appleblossom. Soft pink shaded white..\$0.10	
Brilliant. Blood-red .....10	
Canary Yellow.....10	
Deep Rose .....10	
May Queen. Pale blue.....10	
Princess Alice. Pure white.....10	
Giant Double Mixed ..... ¼ oz., 50c..10	

### COLLECTION

1 pkt. each of the above 6 varieties for 50c.

**GIANT DOUBLE PERFECTION.** Of very strong growth, the plant generally carries one huge main spike surrounded by a number of smaller ones. Flowers are very large and double. Height 18 inches.

Pkt.	Pkt.
Blood Red .....\$0.10	
Flesh Pink .....10	
Chamois .....10	
Rose-Pink .....10	
Dark Blue .....10	
Light Blue .....10	
Pure White .....10	
Double Perfection Mixed. ¼ oz., 50c..10	

### COLLECTION

1 pkt. each of the above 7 varieties for 55c.

### SEE PAGE 22

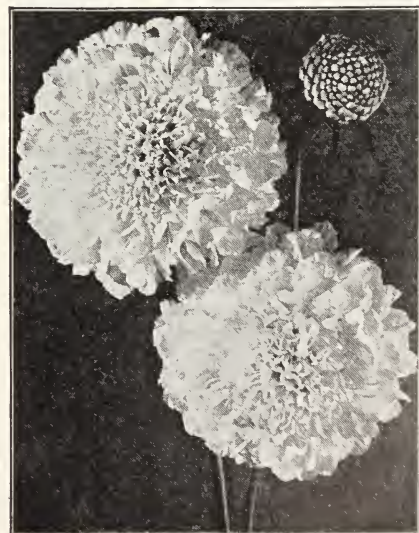
A chart showing flowers for every situation. It will aid you in selecting the correct flowers for every purpose. For special information and advice, write to our "Garden Clinic." A prompt reply will be given your inquiry.



Salpiglossis.



Salvia, America.



Scabiosa, Giant Loveliness.



## Palmer's Sweet Peas

1 ounce will sow 15 lineal feet.

It is possible to have wonderful success with Sweet Peas in spite of the hot climate of the Middle West, if the proper cultural method is followed. The following program is applicable in this section.

Sow the seed as early as the ground can be worked so that a strong, well-developed root system will be developed before hot weather sets in. A location in full sunlight where the drainage is good and the soil is richest will prove best. Dig a trench 12 to 18 inches deep and cover the bottom with 6 inches of well-rotted manure. Dig the manure well into the bottom of the trench and fill to within 6 inches of the surface with rich, loose soil. With the aid of a line sow the seed in the middle of the trench and cover with 3 inches of soil, using 1 ounce of seed to 15 running feet. As the plants develop fill in the balance of the trench gradually.

Some support, either wire, brushwood or trellis must be provided as soon as the young plants appear.

To have the best success with Sweet Peas, a quick-acting chemical fertilizer should be used just when the flower buds are forming. A tablespoonful of Loma Plant Food dissolved in 2 gallons of water and watered down each side of the row will produce magnificent blooms. Be careful, however, that the solution does not touch either stem or foliage. Do this at intervals of three weeks.

When the plants are nearly their full height, mulch the soil with Granulated Peat Moss to preserve the moisture and keep the soil from baking. This will prolong the blooming period considerably.

### Spencer's Orchid Flowering Sweet Peas

The following list contains only the best of recent introductions:

	Pkt.	Oz.
CHARITY. Crimson .....	\$0.10	\$0.25
CHARMING. Deep rose .....	.10	.25
CHIEFTAIN. Deep mauve .....	.10	.25
GEORGE SHAWYER. Orange-pink .....	.10	.25
HAWLMARK SALMON-PINK. Rose-pink flushed deep salmon ..	.10	.25
JEAN IRELAND. Cream edged rose .....	.10	.25
KING WHITE. Giant white ....	.10	.25
MATCHLESS. Creamy yellow ..	.10	.25
MISS CALIFORNIA. Salmon-pink ..	.10	.25
MRS. TOM JONES. Deep blue ..	.10	.25
PICTURE. Cream-pink suffused apricot .....	.10	.25
POWERSCOURT. Huge pure lavender .....	.10	.25
RAVENSWING. Dark maroon ..	.10	.25
ROYAL PURPLE. Rich purple ..	.10	.25
ROYAL SCOT. Orange-scarlet ..	.10	.25
YOUTH. White edged soft rose-pink .....	.10	.25

### PALMER'S SUPERB SPECIAL SPENCER OR ORCHID FLOWERING SWEET PEAS IN MIXTURE

Our special mixture contains every color and shade known in Sweet Peas. In it are included not only the varieties contained in our list but also numerous other superb varieties and new hybrids, all of them large-flowered and beautifully waved. It is the finest, best balanced and most up-to-date mixture of Spencer Sweet Peas procurable. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

### PALMER'S SPECIAL SPENCER SWEET PEA COLLECTION

1 pkt. each of the 16 glorious varieties opposite for only \$1.10.

### PALMER'S PRIZE COLLECTION

1 pkt. each of 10 of the varieties opposite, our selection, in special lithographed packet, for only 75c.

## Early Flowering Spencer Sweet Peas

(Winter Blooming)

If sown outdoors in spring, they will bloom easily 3 weeks earlier than the other Sweet Peas. Pkt., 15c; 50c per oz.

- AVIATOR. Large crimson.
- BLUE BIRD. Delightful blue.
- BURPEE'S ORANGE. Deep orange.
- CHEVALIER. Clear rose-pink.
- HARMONY. Clear lavender.
- MEADOW LARK. Large, early, cream.
- MRS. CALVIN COOLIDGE. Salmon-cerise-pink.
- SNOWSTORM IMPROVED. Clear white.
- SILVER BLUE. Lavender-blue.
- ZVOLANKE'S ROSE. Bright rose-pink.
- SELECT MIXTURE. Pkt., 15c; oz., 45c.

### COLLECTION

1 packet each of the above 10 varieties for \$1.00.

## Vinca

(Periwinkle)

Pretty annuals of compact growth with glossy green leaves and dainty five-petaled star-shaped flowers. Ideal for edgings, borders and window boxes. They will grow under almost any soil conditions. Seed should be sown in hotbed in February or March, or cold frame in April. Height 15 inches.

	Pkt.	Oz.
Rosea. Rose-pink. Dark eye .....	\$0.10	
Rosea alba. White, crimson eye .....	.10	
Rosea alba pura. Pure white .....	.10	
Rosea Mixed. All colors in mixture .....	.10	

## Wallflower

A popular fragrant annual bearing spikes of stocklike flowers in shades of yellow, gold, orange, blood-red and crimson. Excellent for pots, beds, borders and for cutting. Sow seed outdoors in May. Height 12 to 18 inches.

Single Mixed. Pkt., 10c; oz., 40c.

Double Mixed. Pkt., 10c; oz., 50c.

## Mammoth Verbena

They grow low and spread, covering the ground with a dense carpet of green foliage giving a charming background for the brilliantly colored flowers. Sow the seed in the hotbed in March or April and a later sowing can be made outdoors in May.

	Pkt.	Oz.
Mammoth Blue .....	\$0.10	
Mammoth Pink .....	.10	
Mammoth Scarlet .....	.10	

Palmer's Mammoth Mixed. Contains all the above in splendid mixture. Pkt., 10c; ¼ oz., 40c; 1 oz., \$1.25.

## Thunbergia

(Black-Eyed Susan)

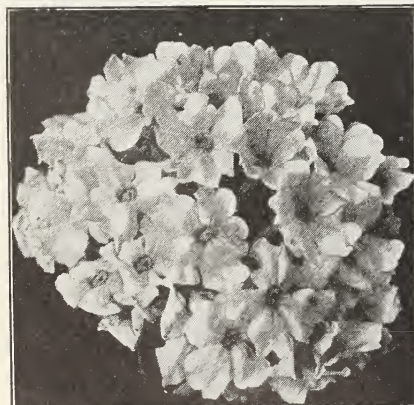
A beautiful graceful trailing plant of rapid growth. It is greatly used for hanging baskets, porch boxes and trellises. Small orange, yellow, buff and white flowers with dark centers. Pkt., 10c.



Spencer Orchid-Flowering Sweet Peas.



Vinca.



Mammoth Verbena.



## Zinnias

They are easy to grow and give such an abundance of showy, brilliantly colored blooms, desirable either in the border or for cutting, that there is little wonder they are so popular. Of recent years Zinnias have been much improved upon, until now flowers may be had measuring as much as 6 and 7 inches in diameter. For early blooms the seed should be sown in the hotbed in March or the cold frame in April. Seed may also be sown outdoors in May and early June. They succeed best in a sunny position and like rich soil.

### Giant Double Dahlia Flowered Zinnia

The petals, instead of overlapping, stand out dahlia-wise and the flowers are double right to the very center. The flowers, measuring 6 to 8 inches across and 4 inches deep, come in a wide range of gorgeous pastel shades almost too beautiful to describe. Height 3 to 4 feet.

	Pkt.
Exquisite (Tyrian Rose). Light rose with deep rose center .....	\$0.15
Illumination. Deep rose throughout ...	.15
Crimson Monarch. Rich crimson .....	.15
Golden State. Orange-yellow turning to orange .....	.15
Scarlet Flame. Bright scarlet shading to orange at tips of petals .....	.15
Ortoto. Orange and gold—one of the finest .....	.15
Old Rose. Real old rose color .....	.15
Dream. Deep lavender turning to purple ..	.15
Polar Bear. Pure white .....	.15
Canary Bird. Delicate primrose-yellow ..	.15
Purple Prince. (New). Deep glowing purple .....	.15
Lemon Beauty. (New). One of the largest of this type. Beautiful golden yellow .....	.15
PALMER'S GOLD MEDAL DOUBLE DAHLIA-FLOWERED MIXTURE. A well balanced mixture of the above varieties. Pkt., 15c; ¼ oz., 75c; oz., \$2.25.	

#### COLLECTION

1 packet each of above 12 colors for \$1.40.

### Palmer's Giant Double Zinnias

A decided improvement on the old type with large flowers, 4 to 6 inches across, very double, in a bright range of colors. Height 2 to 3 feet. Pkt., 10c.

Bright Rose.	Salmon-Pink.
Burnt Orange.	Purple.
Canary Yellow.	White.
Crimson.	Scarlet.
Flesh-Pink.	Apricot.
Giant Double Mixed. All colors of the above varieties. Pkt., 10c; ¼ oz., 35c; oz., \$1.25.	

#### COLLECTION

1 pkt. each of above 10 colors for 80c.

### Giant Picotee Zinnias

Pastel shades with the end of each petal distinctly tipped with pink, maroon and other well defined colors. Pkt., 15c.

### Large Flowering Double Dwarf Zinnias

Bushy plants only 18 inches to 2 feet tall, bearing truly giant blossoms. Excellent for bedding.

Canary Yellow. Pkt., 10c.
Scarlet. Pkt., 10c.
Salmon-Rose. Pkt., 10c.
White. Pkt., 10c.
Dwarf Double Mixed. Pkt., 10c; oz., 50c.

#### COLLECTION

1 packet each of above 4 varieties for 30c.

### Mexican Zinnia

(HAAGEANA)

Small double orange colored flowers on bushy plants. Fine for borders. Height 18 inches. Pkt., 15c.

### Lilliput or Pompon Zinnias

The plants are handsome little bushes, literally covered with small, double flowers resembling the Pompon Chrysanthemums. The flowers bloom all summer until frost and are excellent for cutting. Very desirable for planting along driveways and walks.

Canary Yellow. Pkt. \$0.15	Salmon Rose. Pkt. \$0.15
Scarlet Gem. .15	White Gem. .15
Fine Mixed, pkt., 10c; oz., \$1.25.	

#### COLLECTION

1 packet each of 4 separate colors listed above for 50c.

### Cactus Flowered or Quilled Zinnias

Large double flowers with curled and pointed petals, resembling the cactus dahlia. Our mixture contains all the colors found in Zinnias. Pkt., 15c.

### Mixture of Perennial and Annual Flower Seeds for Naturalizing

Have you any spot in your garden that is an eyesore? In this fascinating mixture which contains practically all known Annuals and Perennials we offer something that will not only add beauty to unsightly spots in your garden but will be a source of supply for your bouquets and table decorations. Pkt., 10c; oz., 25c; ¼ lb., 50c; ½ lb., 75c; lb., \$1.50.



Giant Dahlia Flowered Zinnia.



Giant Picotee Zinnia.



Lilliput or Pompon Zinnia.



A Border of Annual and Perennial Flowers.



## Seeds of Hardy Flowers

**PERENNIALS** will bloom the second year from seed and are permanent thereafter. They grow larger and stronger and produce more flowers each year. They are unexcelled for their usefulness in color schemes and as cutting flowers; they give that charming, well established and natural appearance to any garden. Most of these plants run high in price—an attractive perennial border may require several hundred dollars worth of plants. You can secure the same results with a few dollars worth of seed and have the fascination of seeing your plants grow up under your own care.

**HOW TO GROW THEM.** Some of these hardy flowers will bloom the first year from seed, if sown in the hotbed in February or March. Outdoors they should be sown any time from the end of May until September. It is best to start them early so that the plants will be well established and able to stand the cold weather. The best place to sow the seed is in a cold frame, but if you have none, make a seedbed of finely sifted soil enriched with well rotted manure or sheep manure. Over the top of this spread a layer about 2 inches thick of soil thoroughly mixed with peat and sand. Sow the seed in drills and cover with not more than  $\frac{1}{4}$  inch; the very small seeds should only be pressed into the soil. Press down with a flat board and water gently through a fine rose. Never allow the soil to dry while the seeds are germinating, for as soon as they sprout and until they start to root, the life of the plants depends entirely on soil moisture. It is fatal to allow the soil to become dry even for a few minutes at this time. This is the most common cause of failure, and to prevent drying out, the seedbed should be shaded from the hot summer sun and carefully watched and watered until the plants have grown from 4 to 5 leaves. Peat moss retains its moisture for a much longer period than soil and that is why we advocate its use in seedbeds.

Most seeds germinate in from 8 to 14 days, but there are some that take a month to come up, so do not become impatient. If the seedlings come up too thick, thin them out, transplanting the extra plants to pots or boxes. The plants should be set out in their permanent places in the garden early in October so that they have time to establish themselves before the frost sets in. About the middle of December—after the ground is well frozen, cover the plants with a layer of leaves, straw, peat moss, or well-rotted manure which should be raked off again a little at a time starting in March. Delphiniums, foxgloves, poppies, and campanulas need a little different treatment to the other perennials in wintering over, for they are very apt to rot. Cover them with brushwood before adding the leaves or manure. This will prevent packing down on the plants, which generally starts the rot. Explicit cultural directions will be found on each packet of Palmer's Perennial Seeds.

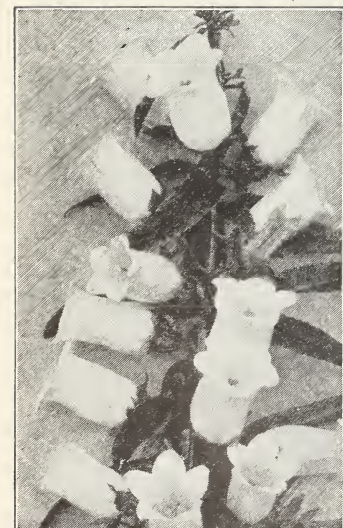
	Pkt.
<b>ACHILLEA Millefolium rubrum</b> (Yarrow). 2 ft. June to October. Reddish pink .....	\$0.15
<b>Parnica, The Pearl</b> (Milfoil). $2\frac{1}{2}$ ft. June to September. White.....	.15
<b>ACONITUM Napellus</b> (Monkshood). 3 ft. August to October. Blue.....	.15
<b>AGROSTEMMA Coronaria atrosanguinea</b> (Rose Campion). 2 ft. July to Sept. Crimson.....	.10
<b>ALYSSUM Saxatile compactum</b> (Gold Dust). 9 inches. April-May. Golden yellow.....	.10
<b>ANCHUSA Italica Dropmore</b> (Alkanet or Bugloss). 4 ft. June to September. Deep blue....	.10
<b>ANCHUSA Italica Lissadell</b> (Improved Dropmore). Clear gentian blue. Height 5 ft.....	.25
<b>ANCHUSA Myosotidiflora</b> . Pale blue. Height 1 ft. ....	.15
<b>ANEMONE Pulsatilla</b> (Windflower). 9 to 12 inches. April-May. Violet-purple.....	.20
<b>St. Brigid</b> . 10 in. May-June. Mixed.....	.10
<b>ANTHEMIS Kelwayi</b> (Golden Marguerite or Yellow Daisy). 2 ft. June to September. Golden yellow Daisies .....	.10
<b>AQUILEGIA</b> (Columbine). <b>Chrysantha</b> . 2 ft. May-June. Pale yellow.....	.10
<b>Red Riding Hood</b> , fl. pl. See Novelties, page 5 .....	.50
<b>Long-Spurred, Crimson Star</b> . See Novelties, page 5 .....	.40
<b>Coeurulea</b> (Rocky Mountain Columbine). 3 ft. May-June. Blue and white.....	.10
<b>Silver Queen, Long Spurred</b> . $2\frac{1}{2}$ ft. May-June. Pure white .....	.25
<b>Copper Queen, Long Spurred</b> (New). 3 ft. May-June. Copper-bronze .....	.40
<b>Pink Shades, Long Spurred</b> . 3 ft. May-June. Pink shades.....	.20
<b>Blue and Lavender Shades, Long Spurred</b> . 3 ft. May-June. Blue and lavender.....	.20
<b>Red and Yellow Shades, Long Spurred</b> . 3 ft. May-June. Red and yellow .....	.20
<b>Mrs. Scott Elliott's Long Spurred Hybrids</b> (Mixed). 3 ft. May-June. All colors.....	.25
<b>Palmer's Long Spurred Hybrids</b> . 3 ft. May-June. Mixed .....	.15
<b>Single Mixed</b> . $2\frac{1}{2}$ -3 ft. May-June. Mixed.....	.10
<b>SPECIAL COLUMBINE COLLECTION, 1 PKT. EACH OF THE 9 BEST VARIETIES FOR \$2.00.</b>	
<b>ARABIS Alpina</b> (Rock Cress). 5 inches. April-May. White.....	.10
<b>ASTERS, Hardy Mixed</b> (Michaelmas Daisy). 3 ft. Sept.-Oct. Blue and lavender shades mixed.	.10
<b>Alpinus</b> (Dwarf Michaelmas Daisy). 12 inches. September-October. Blue.....	.20
<b>AUBRIETIA Deltoideis Leichtlini</b> (Rainbow Rock Cress). 6 inches. April-May. Rosy carmine.	.15
<b>BELLIS Perennis, Giant Double White</b> (English Double Daisy). 6 inches. April to June. White	.10
<b>Giant Double Pink</b> . 6 inches. April to June. Pink.....	.10
<b>Giant Double Red</b> . 6 inches. April to June. Red.....	.10
<b>Giant Double Mixed</b> . 6 inches. April to June. Mixed.....	.10
<b>SPECIAL BELLIS COLLECTION, 1 PKT. EACH OF 3 ABOVE SEPARATE COLORS, 25 CENTS</b>	
<b>BOCCONIA Cordata</b> (Plume Poppy). 6 to 8 ft. July to October. Creamy white feathery flowers	.15
<b>CAMPANULA Carpatia Blue</b> (Carpathian Harebell). 12 inches. June to August. Blue.....	.10
<b>Carpatia alba</b> (Carpathian Harebell). 12 inches. June to August. White.....	.10
<b>Pyramidalis Blue</b> (Chimney Bellflower). 4 ft. August-September. Blue.....	.15
<b>Pyramidalis White</b> (Chimney Bellflower). 4 ft. August-September. White.....	.15
<b>Medium Blue</b> (Canterbury Bells). 3 ft. June-July. Blue.....	.10
<b>Medium White</b> (Canterbury Bells). 3 ft. June-July. White.....	.10
<b>Medium Mauve</b> (Canterbury Bells). 3 ft. June-July. Mauve .....	.10
<b>Medium Rose</b> (Canterbury Bells). 3 ft. June-July. Rose-pink.....	.10
<b>Medium Mixed</b> (Canterbury Bells). 3 ft. June-July. Mixed.....	.10
<b>SPECIAL CAMPANULA MEDIUM COLLECTION, 1 PKT. EACH OF THE ABOVE 4 SEPARATE COLORS FOR 30 CENTS.</b>	



Aquilegia.



Bellis Perennis.



Campanula Medium.



## SEEDS OF HARDY FLOWERS—Continued

CAMPANULA Medium, Calycanthema, Blue (Cup and Saucer Flower). 3 ft. June-July. Blue.	\$0.10
Medium, White. 3 ft. June-July. White.	.10
Medium, Rose. 3 ft. June-July. Rose-pink.	.10
Medium, Mauve. 3 ft. June-July. Mauve.	.10
Medium, Mixed. 3 ft. June-July. Mixed.	.10
SPECIAL CUP AND SAUCER CAMPANULA COLLECTION, 1 PKT. EACH OF THE ABOVE 4 SEPARATE COLORS FOR 30 CENTS.	
CANDYTUFT (Iberis), Gibraltarica, 12 inches. May-June. Lilac.	.15
Sempervirens, 10 inches. April-May. White.	.20
Palmer's New Giant Hybrids, 12 inches. May-June. Lavender and pink shades mixed.	.35
CARNATIONS (Hardy Double Border), Yellow. 3 ft. June to September. Yellow.	.25
White. 3 ft. June to September. White.	.25
Rose-Pink. 3 ft. June to September. Rose-pink.	.35
Hardy Double Border Mixed (Chabaud's strain). 3 ft. June to September. Mixed.	.15
CENTAUREA Montana (Hardy Bachelor Buttons or Cornflower). 2 ft. May to Sept. Deep blue	.10
CERASTIUM tomentosum (Snow-in-Summer). 4 inches. Silvery white foliage.	.10
CHRYSANTHEMUM leucanthemum Alaska (Shasta Daisy). 2½ ft. May to Sept. Pure white.	.10
Leucanthemum King Edward VII (Shasta Daisy). 3 ft. June-September. Pure white.	.15
Japanese Double Early Mixed (Hardy Chrysanthemums). 2 to 3 ft. September to frost.	.15
Mixed.	.15
COREOPSIS lanceolata grandiflora. 2 ft. June to October. Golden yellow.	.10
New Double Flowering. 18 inches. June to October. Golden yellow.	.15
DELPHINIUM Belladonna (Hardy Larkspur). 3 ft. June to November. Light blue.	.10
Bellamosum (Hardy Larkspur). 3 ft. July to October. Dark blue.	.15
Formosum (Hardy Larkspur). 3 ft. June to September. Dark blue with white eye.	.10
Chinense (Chinese or Dwarf Delphiniums). 1½ ft. June-July. Blue.	.10
Chinense alba (Chinese or Dwarf Delphiniums). 16 ft. June-July. White.	.10
Cardinale. 2½ ft. June-July. Scarlet.	.25
Zalil. 4 ft. June-July. Yellow.	.35
Gold Medal Hybrids. 5 ft. June-October. Blue shades mixed.	.15
Blackmore & Langdon's English Hybrids. 6 to 7 ft. June to October. Pinkish lavender to deep purple mixed.	.25
WREXHAM HOLLYHOCK STRAIN (New). 6 to 7 ft. June to October. All shades mixed.	.50
(A new type with massive tapering Hollyhock-like spikes. The individual flowers are very large and grow close to the spike. Colors include a wonderful range of new shades).	
SPECIAL DELPHINIUM COLLECTION, 1 PKT. EACH OF 7 BEST VARIETIES FOR \$1.00.	
DIANTHUS Allwoodi (Perpetual Blooming Hardy Pinks). 18 in. June to October. All colors mixed.	.50
Deltoides (Maiden Pinks). 8 inches. June-July. Pink.	.20
Plumarius, Single Mixed (Pheasant Eye Pinks). 12 inches. June-July. Mixed.	.10
Plumarius, Double Mixed (Double Scotch Pinks). 12 inches. June-July. Mixed.	.10
DICTAMNUS Fraxinella (Gas Plant). 3 ft. June-July. Mixed.	.15
DIGITALIS Gloxinoides (Foxgloves). White. 2 to 3 ft. June-July. White.	.10
Gloxinoides, Purple. 2 to 3 ft. June-July. Purple.	.10
Gloxinoides, Rose. 2 to 3 ft. June-July. Rose.	.10
Gloxinoides, Mixed. 2 to 3 ft. June-July. Mixed colors.	.10
Canariensis. 2 to 3 ft. June-July. Pale yellow.	.15
The Shirley. 4 to 6 ft. June-July. Spotted mixed.	.25
SPECIAL FOXGLOVE COLLECTION, 1 PKT. EACH OF 4 SEPARATE COLORS FOR 35 CENTS.	
EDELWEISS (Leontopodium). 6 inches. July-August. Silver gray.	.15
EUPATORIUM Purpureum (Hardy Ageratum). 2 ft. August-September. Lavender-purple.	.25
GAILLARDIA grandiflora (Blanket Flower). Mixed. 2 ft. June to September. Red and yellow shades mixed.	.10
Burgundy. A new strain. Wine red. 2½ ft. June to frost.	.50
Portola Hybrids Mixed (Blanket Flower) (New). 2 to 3 ft. June-September. Flowers of varied shades of red tipped golden on long stiff stems.	.35
The Dazzler. 2½ ft. June-September. Dark red, tipped with orange.	.25
GEUM, Mrs. Bradshaw. 1½ ft. May to September. Orange-red.	.15
Lady Stratheden. 1½ ft. May to September. Golden yellow.	.20
GYPSOPHILA paniculata (Hardy Baby's Breath). 2 to 3 ft. June-July. Pure white.	.10
Paniculata fl. pl. 2 to 3 ft. June-July. Double white flowers.	.25
HEUCHERA Sanguinea splendens (Coralbells). 1½ ft. May to September. Coral-red.	.20
HIBISCUS, Red (Mallow Marvels). 2 to 3 ft. July-August. Red.	.10
White. 2 to 3 ft. July-August. White.	.10
Pink. 2 to 3 ft. July-August. Pink.	.10
Finest Mixed. 2-3 ft. July-August. Mixed colors.	.10
HOLLYHOCK, Chater's Double Red. 5 to 7 ft. July to October. Red.	.10
Chater's Double Maroon. 5 to 7 ft. July to October. Maroon.	.10
Chater's Double Newport Pink. 5 to 7 ft. July to October. Newport pink.	.10
Chater's Double Rose-Pink. 5 to 7 ft. July to October. Rose-pink.	.10
Chater's Double White. 5 to 7 ft. July to October. White.	.10
Chater's Double Yellow. 5 to 7 ft. July to October. Yellow.	.10
Chater's Double Mixed. 5 to 7 ft. July to October. Mixed doubles.	.10
SPECIAL HOLLYHOCK COLLECTION, 1 PKT. EACH OF 6 VARIETIES FOR 50 CENTS.	
HOLLYHOCK, Single. Mixed. Mixed singles.	.10
HONESTY (Lunaria biennis). Crimson. (Pope's Money or Silver Dollar). 2 ft. May-June.	.15
Purple. 2 ft. May-June. Purple.	.15
White. 2 ft. May-June. White.	.15
LATHYRUS LATIFOLIUS (Hardy Sweet Peas), Pink Beauty. 6 ft. July-August. Pale pink.	.20
White Pearl. 6 ft. July-August. Pure white.	.20
Bright Red. 6 ft. July-August. Red.	.20
Mixed. 6 ft. July-August. Mixed colors.	.10
LAVANDULA vera (Sweet Lavender). 1 to 1½ ft. July to September. Lavender-blue, fragrant	.10
LIATRIS Spicata (Flaming Star or Kansas Gay Feather). 4 to 5 ft. July to September. Long spikes of rosy purple flowers.	.25
LINUM PERFENNE Flaxum (Hardy Flax). 1 ft. May to August. Golden yellow.	.25
Heavenly Blue (Hardy Flax). 1½ ft. May to August. Blue.	.10
LOBELIA Cardinalis (Cardinal Flower). 2½ to 3 ft. July to September. Scarlet.	.25
LUPINUS Polyphyllus, Blue (Perennial Lupine). 3 to 4 ft. July to September. Blue.	.10
Polyphyllus, White (Perennial Lupine). 3 to 4 ft. July to September. White.	.10
Polyphyllus roseus (Perennial Lupine). 3 to 4 ft. July to September. Rose-pink.	.15
Polyphyllus Mixed (Perennial Lupine). 3 to 4 ft. July to September. Mixed colors.	.10
Harkness Regale Hybrids Mixed. 4 to 5 ft. July to September. A new mixture of art shades	.25



Dianthus Plumarius.



Blackmore and Langdon Delphinium.



Digitalis.



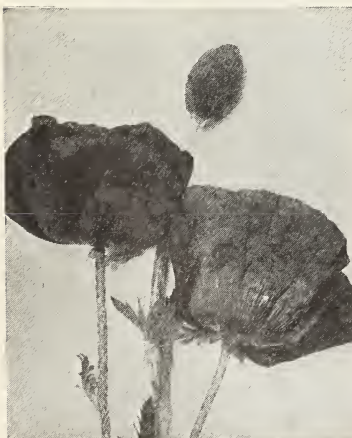
## SEEDS OF HARDY FLOWERS—Continued



Myosotis, Forget-Me-Not.



Lupines.



Papaver Orientale.

	Pkt.
LYCHNIS Chalcidonica (Jerusalem or Maltese Cross). 2 to 2½ ft. June to August. Bright scarlet.....	\$0.10
Viscaria Splendens (Rose Campion). 12 inches. June to August. Pretty crimson-cerise.....	.10
MATRICARIA Capensis (Feverfew). Double Snowball. 1 to 1½ ft. June-October. Pure white.....	.10
Double Golden Ball. 1 to 1½ ft. June-October. Golden yellow.....	.15
MECONOPSIS Baileyi (Tibetan Poppy). 2 to 3 ft. Sky-blue.....	.50
MYOSOTIS Palustris Semperflorens (Hardy Forget-Me-Not). 10 inches. June-October. Bright blue.....	.10
NEPETA Mussini (Catnip). Light blue. Height 1 ft. May-September.....	.15
OENOTHERA Missouriensis (Evening Primrose). 1 ft. May-August. Primrose-yellow.....	.25
PENTSTEMON Barbatus Torreyi (Beard Tongue). 2 to 3 ft. June-July. Deep salmon-rose.....	.15
Sensation Hybrids Mixed. 2 to 3 ft. June-July. Mixed shades.....	.20
PHLOX Decussata (Hardy Phlox). Mixed Colors. 2 to 3 ft. July-October.....	.10
PHYSALIS Francheti (Chinese Lantern Plant).....	.10
PHYSTOSTEGIA (Dragonhead), Virginica, Pink. 2 ft. June-September. Delicate pink.....	.10
PHYSTOSTEGIA (Dragonhead), Virginica, White. 2 ft. June to September.....	.10
PLATYCODON Grandiflorum, Blue (Chinese Bellflower). 2 ft. June-August. Blue.....	.10
Grandiflorum Album (Chinese Bellflower). 2 ft. June-August. White.....	.10
POLYANTHUS, English Exhibition Mixed (Bunch-Flowered Primrose). 6 to 9 in. April-June. Mixed.....	.15
POPPY Nudicaule (Iceland Poppy). New Hybrid Mixed. 12 inches. May-September. Mixed.....	.15
Nudicaule, Fakenham Hybrids. An improved strain. 12 inches.....	.40
POPPY Orientale (Oriental Poppy). Scarlet. 3 ft. May-June. Fiery scarlet.....	.15
Mrs. Perry. 3 ft. May-June. Orange-apricot.....	.35
Queen Alexandra. 3 ft. May-June. Rosy salmon.....	.30
Mixed Hybrids. 3 ft. May-June. Mixed colors.....	.10
PRIMULA Vulgaris (English Primrose). 6 inches. April-May. Lemon-yellow.....	.10
Veris (Cowslip). Giant Munstead Strain. 10 inches. April-May. Yellow flowers in clusters. Officialis Hybrida. 10 inches. April-May. Mixed blue and yellow.....	.15
.....	.25
PYRETHRUM ROSEUM (Painted Daisy). Single Album. 2 ft. June-September. White.....	.20
Single Roseum. 2 ft. June-September. Rose-pink.....	.20
Single Atrosanguineum. 2 ft. June-September. Crimson.....	.20
Roseum Hybridum, Single Mixed. 2 ft. June-September. Mixed.....	.10
Roseum Hybridum, Double Mixed. 2 ft. June-September. Mixed.....	.25
RUDBECKIA Newmanni (Coneflower). 2 ft. June-October. Orange-yellow, dark center.....	.10
Purpurea (Purple Coneflower). 3 ft. July-September. Purplish pink.....	.15
SALVIA (Sage), Farinacea. 4 to 5 ft. July-August. Pale blue.....	.15
Azurea Grandiflora. 2 ft. August-September. Sky-blue.....	.15
Pratensis. 2 ft. June-July. Deep blue.....	.20
SCABIOSA Caucasica (Bluebonnet; Cushion Flower). 2 to 3 ft. June-August. Lavender-blue.....	.15
STATICE Latifolia (Sea Lavender). Mixed. 1 to 2 ft. June-July. Blue and lavender shades.....	.10
STOKESIA Cyanea, Blue (Stokes' or Cornflower Aster). 2 ft. July-October. Purple.....	.10
SWEET ROCKET (Hesperis Matronalis). Purple. 2 feet. May-June.....	.10
White. 2 ft. May-June.....	.10
Mixed. 2 ft. May-June.....	.10
SWEET WILLIAM (Dianthus Barbatus). Newport Pink. 1½ ft. May-July. Salmon-rose.....	.15
Pink Beauty. 1½ ft. May-July. Pale salmon.....	.10
Scarlet Beauty. 1½ ft. May-July. Scarlet.....	.10
Dark Crimson. 1½ ft. May-July. Crimson.....	.10
Giant White. 1½ ft. May-July. White.....	.10
Holborn Glory. 1½ ft. May-July. Auricula-eyed mixed.....	.15
Single Mixed. 1½ ft. May-July. Mixed colors.....	.10

### SPECIAL SWEET WILLIAM COLLECTION, 1 PKT. EACH OF 5 SEPARATE COLORS FOR 45 CENTS.

THALICTRUM Diptercarpum (Meadow Rue). 4 ft. August-September. Rosy purple spikes.....	.25
TRITOMA HYBRIDS (Red Hot Poker). Orange red. Height 4 ft. ....	.15
VALERIANA (Hardy Heliotrope). Crimson. 3 ft. June-July. Crimson.....	.15
White. 3 ft. June-July. White.....	.15
VERONICA (Speedwell). Spicata Blue. 1½ ft. June-July. Deep blue.....	.15
Longifolia. 2½ ft. August-October. Deep blue.....	.10
VIOLA CORNUTA (Tufted Pansies; Johnny-Jump-Up).	
Golden Gem. 6 to 8 inches. April-November. Golden yellow.....	.20
G. Wermig (New). 10 inches. April-November. Reddish purple.....	.25
Mauve Queen. 6 to 8 inches. April-November. Mauve.....	.10
White Perfection. 6 to 8 inches. April-November. White.....	.10
Black Prince. 6 to 8 inches. April-November. Blackish blue.....	.10
Ardwell Gem. 6 to 8 inches. April-November. Primrose-yellow.....	.10
Jersey Gem (New). 6 to 8 inches. May to frost. Violet-blue.....	.50
Mixed. 6 to 8 inches. April-November. Mixed.....	.10

### VIOLA COLLECTION, 1 PKT. EACH OF 7 VARIETIES FOR \$1.10.

VIOLA Odorata Semperflorens (Sweet Violet). 10 inches. April-May. Violet-blue.....	.10
WALLFLOWER, New Hardy Siberian. 15 inches. May-Sept. Gorgeous, fragrant, orange flowers.....	.35

## 2 Books You Should Have

### THE BOOK OF ANNUALS By Hottes

A reliable guide for the amateur or the professional, describing over 100 species with full cultural directions and uses. Cloth cover, \$1.50.

### THE BOOK OF PERENNIALS By Hottes

Describes the general principles of growing and propagating perennials, where to plant, and full cultural directions. Cloth cover, \$1.50.



# Hardy Seeds for the Rock Garden

Rock gardening is one of the most fascinating branches of the art today and is becoming more and more popular. There are few gardens where some kind of a rock garden could not be attempted, especially where rocks are plentiful.

We offer here a special list of seeds that will thrive between crevices of rocks and in elevated positions. You will enjoy your rock garden all the more if you raise your own plants from seed.

## General List of Rock Garden Plants

- |   |  |
|---|--|
| ACHILLEA millefolium rubrum. Pkt., 15c.                           | HEUCHERA sanguinea splendens. 1½ ft. Pkt., 20c.                            |
| AGROSTEMMA coronaria atrosanguinea. Pkt., 10c.                    | LINUM flavum. 1 ft. Pkt., 25c.   |
| ALYSSUM saxatile compactum. Pkt., 10c.                            | LINUM Heavenly Blue. 1 ft. Pkt., 10c.                                      |
| ANCHUSA myosotidiflora. Pale blue. Height 1 ft. April. Pkt., 15c. | LYCHNIS viscaria splendens. 1 ft. Pkt., 10c.                               |
| ANEMONE pulsatilla. Violet-purple. 9 to 12 inches. Pkt., 15c.     | MYOSOTIS palustris semperflorens. 10 inches. Pkt., 10c.                    |
| AQUILEGIA coerulea. Blue. Pkt., 10c.                              | NEPETA Mussini (Catnip). Light blue. 1 ft. high. May-September. Pkt., 15c. |
| AQUILEGIA, Long-Spurred Hybrids. Pkt., 15c.                       | OENOTHEA missouriensis. Yellow. 1 ft. Pkt., 25c.                           |
| ARABIS alpina (Rock Cross). White. Pkt., 10c.                     | PENTSTEMON Torreyi. Coral-pink. 2½ ft. Pkt., 15c.                          |
| ASTER alpinus (Dwarf). Blue. 1 ft. Pkt., 20c.                     | POLYANTHUS. Giant-flowering. 6 inches. Pkt., 15c.                          |
| AUBRIETIA Leichtlini (Pink Rock Cross). Pkt., 15c.                | PRIMULA vulgaris (English Primrose). 6 to 9 inches. Pkt., 10c.             |
| CAMPANULA carpatia. Blue. Pkt., 10c.                              | PRIMULA veris (Cowslip). 10 inches. Pkt., 15c.                             |
| CANDYTUFT (Iberis) gibraltarica. Lavender-pink. Pkt., 15c.        | PRIMULA officinalis hybrida. Blue and yellow. 10 inches. Pkt., 25c.        |
| CANDYTUFT (Iberis) sempervirens. White. Pkt., 20c.                | POPPY, Iceland. 1 ft. Pkt., 15c.   |
| CERASTIUM tomentosum (Snow-in-Summer). Pkt., 10c.                 | SALVIA pratensis. Blue. 2 ft. Pkt., 20c.                                   |
| DELPHINIUM chinense. Blue. 8 inches. Pkt., 10c.                   | VERONICA spicata (Blue Speedwell). 1½ ft. Pkt., 15c.                       |
| DIANTHUS deltoides (Maiden Pink). Pkt., 20c.                      | VIOLA cornuta. Mixed. 10 inches. Pkt., 10c.                                |
| EDELWEISS. 6 inches. Pkt., 15c.                                   | WALLFLOWER, Siberian. 10 to 15 inches. Pkt., 35c.                          |
| GEUM, Mrs. Bradshaw. 1½ ft. Pkt., 15c.                            |  |



Alyssum Saxatile.



Dianthus Deltoides.

## Special St. Louis Rock Garden Collection

- |                        |                    |
|------------------------|--------------------|
| Aquilegia Alpina       | Lychnis Alpina     |
| Campanula Rotundifolia | Saxifraga Umbrosa  |
| Dianthus Aenearius     | Sedum Mixed        |
| Geum Montanum          | Silene Acaulis     |
| Helianthemum Amabile   | Tunica Saxifraga   |
| Linum Alpinum          | Viola Florariensis |

1 pkt. each of  
these 12 delightful  
rock plants... **\$2.50**

## Seeds of Greenhouse Plants

**CALCEOLARIA, James Superb Exhibition Strain.** Beautiful spotted and tigered flowers. The strain we carry is recognized as the finest in the world. Pkt., 50c.

**CALENDULA (Pot Marigold).** Ball's Improved Orange. Special greenhouse strain. Pkt., 15c.

**CINERARIA.** Beautiful house or conservatory plants covered with brilliantly colored daisy-like flowers.

Palmer's Prize Dwarf Hybrids. Pkt., 50c.

Palmer's Prize Tall Hybrids. Pkt., 50c.

Stellata grandiflora Mixed (Star Cineraria). Pkt., 50c.

**CYCLAMEN giganteum.** Our strain is grown by a noted European specialist. The flowers are of giant size, delicately waved and brilliantly colored. Pkt., 35c.

**GERBERA Jamesoni hybrida** (Transvaal Daisy). Beautiful Daisies in shades of scarlet, crimson, yellow, orange, salmon, rose, cerise, violet; on long, cutting stems. Pkt., 35c.

**GERANIUM, Zonale Mixed.** Sow them in the greenhouse in February and they will bloom in July and August. Pkt., 10c.

**GLOXINIA hybrida gigantea.** Large trumpet-shaped flowers of velvety texture measuring up to 4 inches across. Seed should be sown in March. Pkt., 50c.

**PRIMULA, Giant Chinese Fringed** (sinensis fimbriata). The Chinese Primrose is one of the most beautiful plants for the conservatory during winter months. The bushy plants carry large trusses of delicately colored fringed flowers. Sow the seed in March or April.

Giant Single Fringed Mixed. Pkt., 25c.

Giant Double Fringed Mixed. Pkt., 50c.

**Sinensis stellata** (Giant Star Primrose). Mixed colors. Pkt., 35c.

**Obeonica gigantea** (Giant Flowering Ever-blooming Primrose). Pkt., 25c.

**Malacoides** (Giant Baby Primrose). Small delicate, lilac-pink flowers produced in clusters along the stem. Pkt., 25c.

**Kewensis.** Bright yellow flowers produced in clusters along the stem. Pkt., 25c.

**SCHIZANTHUS Wisetonensis** (Poor Man's Orchid; Butterfly Flower). A selected greenhouse strain of this popular pot plant. Pkt., 10c.



Viola Cornuta.



# Flowers for Every Situation

To assist you in selecting the most suitable flowers for the various locations and conditions you must deal with in gardening, we have tried to group the most popular kinds into several general classes. While not intended to be infallibly perfect in their adaptability for each situation, they will serve as a valuable guide in arranging your planting.

## Items marked (\*) Perennials

### Fragrant and Cut Flowers

- |                           |                |
|---------------------------|----------------|
| *Aquilegia                | Hunnemannia    |
| *Anemone                  | Larkspur       |
| *Antirrhinum              | *Lavender      |
| *Achillea                 | Lavatera       |
| *Agrostemma               | *Lupinus       |
| *Anthemis                 | Marigold       |
| *Anchusa                  | Mignonette     |
| Arctotis                  | Nasturtium     |
| Asters                    | Nicotiana      |
| Calliopsis                | Nigella        |
| Carnation                 | Pansy          |
| Calendula                 | Petunia        |
| Chinese Wool-<br>flower   | *Pentstemon    |
| Cornflower                | *Physalis      |
| *Columbine                | Phlox          |
| Cosmos                    | *Polyanthus    |
| *Cowslip                  | Poppy          |
| *Cleome                   | Primrose       |
| *Coreopsis                | *Pyrethrum     |
| Cynoglossum               | *Rudbeckia     |
| *Canterbury Bells         | Schizanthus    |
| *Cerastium                | Salpiglossis   |
| *Siberian Wall-<br>flower | Scabiosa       |
| *Cuphea                   | Silene         |
| Dahlia                    | *Shasta Daisy  |
| *Delphinium               | *Salvia        |
| Dianthus                  | Statice Sin.   |
| Didiscus                  | *Stocks        |
| Dimorphotheca             | *Stokesia      |
| Everlastings              | Sweet Peas     |
| Feverfew                  | *Sweet Rocket  |
| Four O'clock              | Sweet Sultan   |
| Foxglove                  | *Sweet William |
| *Gaillardia               | Snapdragon     |
| Gladiolus                 | Sunflower      |
| *Geranium                 | Verbena        |
| Godetia                   | *Valeriana     |
| *Geum                     | *Veronica      |
| *Gypsophila               | Viola          |
| *Heliotrope               | *Violet        |
|                           | *Wallflower    |
|                           | Zinnia         |

### Flowers for Backgrounds

- |                |              |
|----------------|--------------|
| Antirrhinum    | Hollyhock    |
| Canna          | Larkspur     |
| Cosmos         | Lavatera     |
| Cleome         | Lupinus      |
| *Chrysanthemum | *Lychnis     |
| *Coreopsis     | Marigold     |
| Castor Bean    | Salpiglossis |
| *Delphinium    | Salvia       |
| *Digitalis     | Sunflower    |
| *Euphorbia     | Zinnia       |
| *Hibiscus      |              |

### Flowers for Rock Gardens

- |            |           |
|------------|-----------|
| Alyssum    | *Myosotis |
| *Arabis    | *Pinks    |
| *Aquilegia | Phlox     |
| *Aubrietia | Portulaca |
| *Bellis    | *Primula  |
| Candytuft  | Verbena   |
| Lobelia    |           |

### Flowers for Shaded and Semi-Shaded Corners

- |                         |                |
|-------------------------|----------------|
| Alyssum, Sweet          | Larkspur       |
| *Aconitum               | Lobelia        |
| Anemone                 | Lupinus        |
| Asters                  | Matricaria     |
| *Bellis                 | *Myosotis      |
| Begonia (Tuber-<br>ous) | Nemophila      |
| Canterbury Bells        | Oenothera      |
| *Columbine              | *Pansy         |
| *Coreopsis              | *Poppy (Hardy) |
| Cowslip                 | Scarlet Flax   |
| Daisy                   | Schizanthus    |
| Delphinium              | Snapdragon     |
| Fern                    | Sweet Sultan   |
| Foxglove                | Vinca          |
| Godetia                 | *Violet        |
| *Hardy Primrose         | *Viola Cornuta |

### Flowers for Massed Colors

- |                |                  |
|----------------|------------------|
| Ageratum       | Lantana          |
| African Daisy  | *Lobelia         |
| *Alyssum       | Larkspur         |
| *Arabis        | *Lupinus         |
| Antirrhinum    | Marigold         |
| Asters         | Marvel of Peru   |
| Balsam         | Myosotis         |
| Candytuft      | Pansy            |
| Celosia        | *Pentstemon      |
| Calendula      | Petunia          |
| Calliopsis     | Phlox            |
| Carnation      | Poppy            |
| *Chrysanthemum | Portulaca        |
| Cornflower     | *Salvia          |
| Cosmos         | Salpiglossis     |
| Dahlias        | *Sweet William   |
| Dianthus       | Tagetes, Signata |
| Eschscholtzia  | Pumila           |
| *Gaillardia    | Verbena          |
| Geranium       | Vinca            |
| Godetia        | Zinnia           |
| Hunnemannia    |                  |

### Flowers for Bedding and Cutting

- |                           |                                 |
|---------------------------|---------------------------------|
| *Achillea                 | Love-in-a-Mist                  |
| Ageratum                  | Marigold (Scotch<br>and French) |
| *Alyssum                  | *Myosotis                       |
| Balsam                    | Pansies                         |
| Calendula                 | Petunia, Hybrids                |
| *Candytuft                | Phlox Drummondii                |
| *Carnation                | *Polyanthus                     |
| *Cerastium                | Salvia                          |
| Chinese Forget-<br>Me-Not | *Shasta Daisy                   |
| *Coreopsis                | Snapdragon                      |
| Coleus                    | (Semi-Dwarf)                    |
| *Cowslip                  | *Sweet William                  |
| *Dianthus                 | Verbena                         |
| Gaillardia                | Vinca Rosea                     |
| Heliotrope                | Violas                          |
| Lobelia                   | Zinnia                          |

### Flowers for Edging

- |                  |                  |
|------------------|------------------|
| Alyssum          | Nemophila        |
| Ageratum         | Pansy            |
| *Arabis          | Petunia          |
| *Bellis          | *Pinks           |
| Candytuft        | Phlox            |
| Daisy            | Portulaca        |
| *Godetia         | Verbena          |
| Lobelia          | Viola            |
| Marigold, French | Tagetes          |
| *Myosotis        | Zinnia, Haageana |
| Nasturtium       |                  |

### Climbers

- |                  |                |
|------------------|----------------|
| Balloon Vine     | Moonflower     |
| Cardinal Climber | Morning Glory  |
| Cobaea           | Mormordica     |
| Canary Bird Vine | Nasturtium     |
| Convolvulus      | Passiflora     |
| Cypress Vine     | Sweet Peas     |
| Hop (Japanese)   | Scarlet Runner |
| Hyacinth Bean    | Beans          |
| *Kudzu Vine      | Thunbergia     |
| *Lathyrus        | Wild Cucumber  |

### Flowers for Hanging Baskets and Veranda Boxes

- |             |                |
|-------------|----------------|
| Alyssum     | Marigold       |
| Asparagus   | Nasturtium     |
| Candytuft   | Petunia        |
| Cineraria   | Pansy          |
| Coleus      | Thunbergia     |
| Convolvulus | Verbena        |
| Geranium    | Vinca Vine     |
| Lobelia     | Zinnia, Pompon |

### Flowers for Damp Spots

- |             |             |
|-------------|-------------|
| *Heliotrope | *Pansy      |
| *Hibiscus   | *Snapdragon |
| *Lobelia    | *Viola      |
| *Myosotis   | *Wallflower |

### Flowers for Poor Soil and Dry Places

- |               |                |
|---------------|----------------|
| Alyssum       | Godetia        |
| Arctotis      | Golden African |
| Balsam        | Daisy          |
| Calliopsis    | Petunia        |
| Centaurea     | Phlox          |
| Eschscholtzia | Poppies        |
| Four O'clocks | Portulaca      |

### House Plants

- |             |          |
|-------------|----------|
| Begonia     | Fuchsia  |
| Calceolaria | Geranium |
| Cineraria   | Lantana  |
| Coleus      | Pansy    |
| Cyclamen    | Petunia  |
| Ferns       | Vinca    |



# Vegetable

# Seeds



## Asparagus

One ounce will produce about 200 roots;  
3 lbs. will produce enough roots for  
one acre.

**DIRECTIONS FOR PLANTING.** The best soil for growing Asparagus is a light, sandy loam, reached by an abundance of sunshine, and kept in a good state of cultivation. Sow the seed in the spring, in rows about 18 inches apart, using about 15 to 20 seeds to a foot of row. Cover with about 1 inch of soil. The roots will be ready for setting in the permanent bed the following spring.

### MARY WASHINGTON RUSTPROOF

(2 years). The best Asparagus to grow. It was introduced by the United States Department of Agriculture and has proved to be a vigorous, productive, rust-resisting variety. Produces long, straight stalks of a rich green color, running darker at the tips. Tender and delicious. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

## Asparagus Roots

Choice 2-year-old Stock

Plant in trenches 1 foot wide and 6 inches deep. Lay the roots 18 inches apart, taking care to spread well with the crown up. Then cover them with about 4 inches of soil. As the plants begin to grow, gradually fill in the trenches to the surface. They may be between beds in either case. 2-year-old plants, set out in the spring, will yield tips for use the following spring; however, it is best to cut sparingly the first season. One-year-old plants should not be cut until the second season.

MARY WASHINGTON. 25c per doz.; \$1.75 per 100; \$12.50 per 1000.

PALMETTO. 25c per doz.; \$1.75 per 100; \$12.50 per 1000.

## Artichoke

One ounce will produce 300 plants.

**LARGE GREEN GLOBE.** Plant of medium growth, with deep green leaves; buds or flower heads green, slightly elongated; scales rather narrow and spiny, moderately thick at the base. Will flower first year if sown before March 15th. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; 1 lb., \$4.50.



Mary Washington Asparagus.

## Bush Lima Beans

One pound will plant 75 feet of row; 30 pounds per acre.

**DIRECTIONS FOR PLANTING.** Lima Beans require a light, sandy loam and should not be planted until the weather has become warm and settled. Plant them in rows 2 to 3 feet apart, placing the beans (eye down) 4 to 5 inches apart in the rows and cover firmly with 2 inches of soil. If planted in hills, make the rows 3 feet apart and plant the beans 2 feet apart in the row, using 4 to 6 beans to a hill.

**HENDERSON'S BUSH LIMA** (80 days). If you prefer a small Lima Bean you cannot grow a better variety than Henderson's. It is a vigorous, hardy sort, and produces an early crop of delicately flavored small beans. Pods are 3 inches long and contain 3 to 4 beans. The plants grow about 20 inches high and bear continuously throughout the season. Matures 10 to 14 days earlier than Burpee's. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.40.

**IMPROVED HENDERSON** A distinct and valuable improvement over the original Henderson. Produces a larger Bean, thicker, and by far more prolific. We highly recommend the Improved Henderson. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**Fordhook Bush Lima** The beans are very much thicker than Burpee's Improved, meaty, four to the pod, very tender and juicy, and retain their green color. Bears the large pods in clusters and is a very heavy yielder. This variety is the one most largely used. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**Burpee's Improved Bush Lima** (90 days). By far the most superior of the large, flat-seeded Limas. Both pods and Beans are of enormous size, some pods measuring 6 inches long. The vines are vigorous and highly productive and the Beans have a luscious flavor. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.



Henderson's Bush Lima Beans.

## Pole Lima Beans

One pound will plant 100 hills; 30 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** Best results obtained if planted in well manured sandy loam, two weeks after warm weather arrives. Use poles 8 to 10 feet long, sticking them 18 inches deep and 3½ to 4 feet apart each way. Slant slightly to the north. In each hill plant 4 to 6 beans and when well advanced, thin out to three strongest plants.

**LARGE WHITE POLE LIMA** (90 days). This highly esteemed mammoth-podded pole Lima is the standard of pole Limas. It has a vigorous growth, is

medium early, and very productive. Pods are 4 to 5 inches long and contain 4 to 5 large beans of a wonderful flavor. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Small Sieva Pole Lima** (85 days). Grown extensively throughout the South, but also quite popular in the North because of its earliness and productiveness. The plant is large growing and hardy, and the small white beans are about the size of Henderson's Bush Lima. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.



## Bush Beans

One pound will plant 100 feet of row;  
60 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** A warm, well drained, sandy loam, well manured, is the most satisfactory soil for growing Beans. Plant them when the ground has become warm and dry, in rows 18 to 24 inches apart, dropping the beans 3 to 4 inches apart in the row and covering them with about 2 inches of soil. For a succession of green Beans plant every two weeks up to August 1st. Do not cultivate or pick Beans when the bushes are wet, as this promotes rust and blight.

### Best Green Pod Varieties

**FULL MEASURE** (42 days). One of the best of the stringless green-podded snap Beans, and is gaining in favor rapidly. Produces long, straight, fleshy, round pods averaging about 6 inches in length and having a medium green color. An early maturing variety and strictly stringless. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Palmer's Masterpiece Stringless** A new introduction promising a higher quality Bean than any of the old standard varieties. Very long pod, large yielder, absolutely stringless and of excellent flavor. Another year perhaps will see this Bean rise to strong popularity. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

### BURPEE'S STRINGLESS GREEN POD

(42 days.) One of the most valuable green pod Beans. Matures early and yields an abundance of medium-long pods. Absolutely stringless, and possessing a tenderness and flavor unequalled. Pale green in color, very brittle and juicy, and remain in good condition a long time after reaching full size. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Longfellow** (42 days). A valuable variety for market or home use. Pods round, dark green, average 6 inches or more in length, very slender and straight. Are free of tough lining and almost entirely stringless. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Improved Red Valentine** (42 days). Our strain is a great improvement over the original as it matures earlier and retains its appearance and quality for a long time after being picked. The plants

grow about 15 to 18 inches tall and produce a big crop of Beans about 4 inches long, round-podded, very fleshy and brittle. They do not show strings until nearly full grown. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Bountiful** (42 days). Best of the flat-podded stringless varieties. The rich, green pods are 6½ to 7 inches long, broad, stringless, and of a fine flavor. Bears profusely. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Giant Stringless Green Pod** (45 days). Matures among the earliest of green pod varieties, producing nearly round pods 5 to 6 inches long that are brittle and stringless. The pods are straighter and more slender than Burpee's Stringless Green Pod, more depressed between the beans and mature a little later. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Black Valentine** (40 days). Popular because of its extreme hardiness and blight-resisting quality. Will stand more wet weather and frost than others. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

### Best Wax or Yellow Pod Varieties

**Brittle Wax** (42 days). Round-podded. White-seeded. Yields an enormous quantity of handsome round pods. Fleshy, absolutely stringless, extremely hardy, and of a rich yellow color. The pods average about 7 inches in length, and have a delightful flavor. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Unrivalled Wax** (42 days). A very desirable extra early, prolific variety bearing beautiful, showy, golden yellow pods. Prittle and tender. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Improved Rustproof Golden Wax** (40 days). Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Pencil Pod Black Wax Improved** (45 days). This valuable variety yields an enormous crop of pods, measuring 6 to 7 inches long and of a bright golden yellow color. The pods are round, fleshy, stringless and tender. It is an early maturing variety and used extensively. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

## Pole Beans

One pound will plant 100 hills; 30 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** Plant two weeks later than bush varieties, in rows 3½ to 4 feet apart running north and south. Use poles 8 to 10 feet long and stick them 18 inches deep, slanting to the north. In the hill around each pole plant 5 or 6 beans, about 2 inches deep. When the plants are well advanced, thin out to the four strongest and tie them to the pole.

**ST. LOUIS WHITE CORNFIELD** (Perfection). (65 days). The leading Pole Bean among the Missouri and Illinois market gardeners. It matures among the earliest varieties and produces a bountiful yield of long, round and fleshy pods in large clusters. The seeds are pure white and are used considerably as shell Beans. We recommend this variety very highly on the strength of its past performance. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Kentucky Wonder** (Also known as Old Homestead). (65 days). An old variety with long, fleshy, deep, saddle-back pods. Very prolific; producing an abundance of fine stringless, crisp pods until late in the season. Of best quality. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**Horticultural Cranberry** A midseason Bean producing straight, flat pods, 5 inches long. Good for shell Beans only, as the pods are not edible. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**KENTUCKY WONDER WAX** (60 days). A yellow-podded Kentucky Wonder producing an abundance of fine quality pods 8 to 9 inches long, brittle, thick, slightly stringy, but possessing a flavor equaled only by the green pod variety from which it takes its name. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

## Brussels Sprouts

### LONG ISLAND IMPROVED

Brussels Sprouts are miniature cabbages formed on the plant stalk. Culture is practically the same as for cabbage. For late use sow seed in June. Hardy, early, and a heavy yielder. Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.

## Broccoli

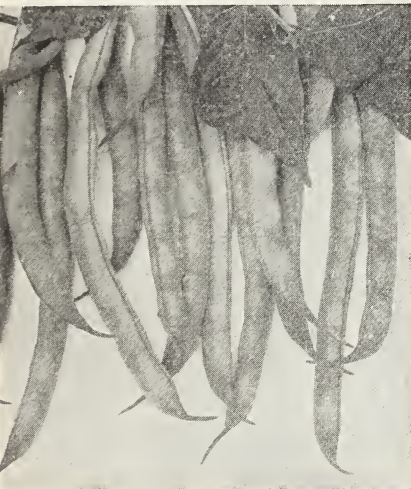
### ITALIAN GREEN SPROUTING

One ounce will produce 2000 plants; ¼ pound will plant an acre.

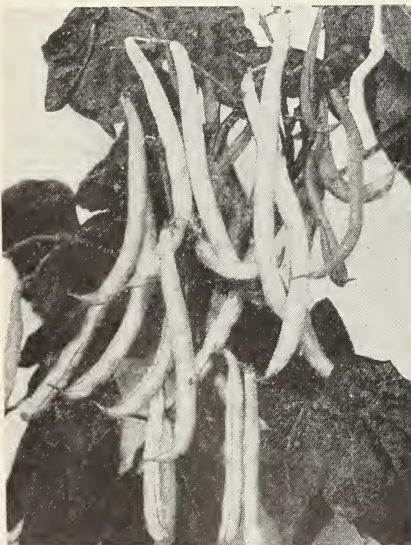
A vegetable similar to Cauliflower, of less delicate flavor, but harder. Of value in Northern latitudes, where Cauliflower does not do well. Pkt., 15c; oz., 75c; ¼ lb., \$2.50; 1 lb., \$8.00.



Red Valentine Beans.



Palmer's Masterpiece Stringless Beans.



Brittle Wax Beans.



## Beets

One ounce will plant 50 feet of row; 6 pounds per acre.

**DIRECTIONS FOR PLANTING.** A well manured, light, sandy loam soil is desired for Beets. For extra early crop sow seed in hot-beds and transplant when weather permits. For main crop sow as soon as the ground is workable in rows 1 to 1½ feet apart, covering the seed with one inch of soil. When the plants acquire 3 or 4 leaves, thin out to 3 or 4 inches apart.

**PALMER'S "RED BALL"** (40 days). This is selected from our Early Wonder, but is given special roguing and extra attention by our growers, resulting in finer appearance, smooth skin and rich color. We recommend "Red Ball" as the earliest and most uniform of the turnip-shaped Beets. For market gardeners we do not hesitate to give it our strongest endorsement. The crop matures evenly and may be harvested at one time. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c.

**EARLY WONDER** (40 days). One of the earliest and most perfect Beets for forcing or outside culture. It is much earlier than Crosby's Egyptian and of uniform shape, smooth skin, small tap root and deep red color. The tops are not large, which permits close planting and makes it excellent for bunching. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c.

**DETROIT DARK RED** (Special Strain). (50 days). Almost globe shaped with small tops and tap roots. The skin is of blood-red color and the flesh dark red. Deliciously tender and for canning it has no superior. An excellent Beet for early or late planting. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c.

**Nutting Gem** (40 days). Excellent for early forcing. A selection from Early Wonder. It is an extra early, globe-shaped variety of uniform size and deep blood-red color. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c.

**Crosby's Improved Egyptian** (45 days). Splendid home and market garden sort. Tops medium in size; collar small. Root flattened, globe-shaped, with small tap root; very dark purplish red. Flesh deep purplish red, zoned with a deeper shade. Crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c.

**Crimson Globe** (45 days). A medium sized Beet, rather oblong in shape. It is a second-early sort, produces smooth roots and the flesh and skin are both of a very dark color. Tops are small and dark bronze. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

**Edmund's Early Blood Turnip** One of the best round well formed Beets; has only 1 tap root. Flesh deep blood red, very sweet and tender. They do not grow large and coarse, and having small tap roots, they can be planted closely. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c.

**Early Flat Egyptian** (50 days). Best for forcing, and particularly valuable for early market. Tops small and upright; roots flattened with long slender tap roots. Flesh dark purplish red, zoned lighter. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

**Long Smooth Blood Red** (65 days). A standard long, late variety with smooth, dark red skin and blackish red flesh. 12 to 14 inches in length, of fine quality and an excellent keeper. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c.

## Sugar Beets

**Vilmorin's Improved Sugar** (90 days). An improvement on White French Sugar, used widely for making sugar. Grows to a large size, has a creamy colored skin and white flesh. High in sugar content. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

## Stock Beets or Mangel Wurzel

**MAMMOTH LONG RED** (115 days). This sort attains enormous size and will produce 30 to 50 tons of roots to the acre. Roots are cylindrical in shape, light red skin and the flesh varies from white to rose colored. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

**Golden Tankard** (95 days). The largest yellow variety, producing immense roots, nearly cylindrical in shape and narrowing abruptly at both ends. The skin is deep orange-yellow, and the flesh is zoned yellow and white. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.



Edmund's Blood Turnip Beets.



Detroit Dark Red.



Palmer's Red Ball Beets.



Crosby's Improved Egyptian Beets.



## Imported Cabbage

One ounce will produce 2000 plants; 10,000 to

12,000 plants are required to plant an acre.

**DIRECTIONS FOR PLANTING.** Cabbage is best suited to a deep, well drained, heavy loam soil, highly manured. For early use start the seeds in a hotbed about February 1st. Set the plants out in April in rows 2 to 2½ feet apart, allowing 18 inches between each plant in the row. If a hotbed is not available sow the seed in the open ground as soon as it can be worked and transplant in about four weeks. For second-early Cabbage sow the seed in April and transplant in May. For late Cabbage sow the seed in May and transplant in July.

### Best Extra Early Varieties

#### NEW GOLDEN ACRE (Special Strain).

(70 days). A wonderfully fine extra early, round-headed variety on the order of Copenhagen Market. The plant is small, very compact, with few outer leaves, and matures earlier than Jersey Wakefield and Copenhagen Market. We can recommend Golden Acre very highly to market gardeners who want an earlier Cabbage than Copenhagen Market and of equal quality. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

#### COPENHAGEN MARKET (75 days).

Our special strain of this splendid Cabbage has won solid approval wherever it has been used. It is the largest round-headed Cabbage and was the earliest until the introduction of Golden Acre, which is about five days earlier. The heads are large, uniformly round, with few outer leaves, and they all mature at the same time. Will stand a long time without bursting. An excellent and profitable variety for market gardeners. Pkt., 10c; oz., 45c; ¼ lb., \$1.25; 1 lb., \$4.00.

#### Palmer's Early Market (75 days).

Very fine. Nearly as early as Jersey Wakefield. Stems short; heads round, large and solid, with few outer leaves of an upright growth. Our stock of this popular variety is very early, uniform, and dependable. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$4.50.

### Yellows Resisting Cabbage

#### Wisconsin All Seasons (100 days).

A second early Drum-head type yielding large sized heads. Short stem; seldom bursts; heavy yielder. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$4.50.

#### Wisconsin Brunswick (100 days).

Second early, highly resistant to yellows; a heavy yielder; similar in type to Brunswick; very uniform; flat to drumhead shape; short stem. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.

#### WISCONSIN HOLLANDER (120 days).

A heavy yielding late storage type selected from Danish Ball-head or Hollander variety; highly resistant to yellows; round head type. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$4.50.

### Red Cabbage

**Dark Red Erfurt** (60 days). Heads are usually solid and have a deep red color. This variety is a favorite

**Early Jersey Wakefield** (75 days). The most widely known and popular extra early variety. Heads cone-shaped and very solid. Our stock is very dwarf and extremely early. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

#### Large Charleston Wakefield (80 days).

This sort matures a few days earlier than Jersey Wakefield, with heads much larger and uniform. Very popular with Southern growers. It does well on heavy soil. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

### Best Second Early Varieties

#### GLORY OF ENKHUIZEN (85 days).

A medium early short-stemmed variety with round heads. Similar to Copenhagen Market, but matures later. Pkt., 10c; oz., 45c; ¼ lb., \$1.25; lb., \$4.00.

#### Succession (84 days).

Very dependable for late summer and fall use; good keeper. Plants large, but compact. Stems short. Heads large and flat but deep; 10 to 11 inches across, 7 to 8 inches deep, and weigh 8 to 9 pounds. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

### Best Late Varieties

#### Palmer's Late Flat Dutch (110 days).

This is without question the best strain of late Dutch being offered. The heads are large and flat and grow remarkably even and solid. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

#### LATE ST. LOUIS MARKET (110 days).

We recommend this strain as the finest and best late Cabbage, being distinctly different from most other varieties. It makes fine large heads, is short-stemmed and a sure header. It will stand longer in the field without bursting and is recommended for its exceptionally good keeping qualities. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

among those desiring an early maturing red Cabbage, that combines tenderness and good keeping qualities. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

#### Mammoth Red Rock (110 days).

The largest and surest heading red Cabbage. Very uniform in size and weight and has a deep red color. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

### Savoy Cabbage

#### LARGE DRUMHEAD SAVOY (Perfection).

(110 days). This variety is the best and largest heading Savoy, and its plants are strong and vigorous. The heads are round, compact and solid, maturing late. Pkt., 10c; oz., 50c; ¼ lb., \$1.40.

#### Dwarf Ulm Savoy (95 days).

This variety is uniform, solid and leaves are beautifully crumpled. Is of dwarf growth, having a short stem and matures earlier than other varieties. Pkt., 10c; oz., 50c; ¼ lb., \$1.40.



Late St. Louis Market.



Charleston Wakefield.



Copenhagen Market.

See Page 34 for Cabbage Plants



CABBAGE—Continued.

## Chinese Cabbage

Also Known as Celery Cabbage.

Cool weather is necessary to have success in growing Celery Cabbage. In the vicinity of St. Louis it should be sown about the first of August. Plant the seed one-half inch deep in rows 24 inches apart. When the plants reach a height of 5 inches, thin out to about 10 inches apart. Chinese Cabbage may be served as a salad; delicious when boiled like ordinary cabbage.

**CHIHILI** Earliest and most sure heading of the Chinese varieties. Plant of upright growth, producing long, solid, white cylindrical heads, two feet in length. Leaves very broad, smooth, fringed on edge, with broad, white mid-rib. Pkt., 10c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.

**Wong Bok** (60 days). It produces rather short, broad heads with leaves that are well blanching and tightly folded. Wong Bok is self-folding and the heads need no tying up or blanching. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.

## Carrots

One ounce will plant 100 feet of row; 3 to 4 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** Will do well in all soils, although a deep, sandy loam, well manured, will produce the best Carrots. Sow in rows 12 to 15 inches apart and cover with 1 inch of soil, thinning to 2 or 3 inches apart.

**CHANTENAY HALF LONG** (60 days). (Special Market Gardener's Strain). Being a good bunching variety, of handsome appearance and sound flesh, it is the leading sort for market and general purposes. When fully matured the deep, golden orange roots measure 6 inches in length and 2½ inches in diameter; stumpy-rooted but slightly tapering at the end. The quality is very crisp and tender and of a delicate flavor. Will permit close planting. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 80c.

**Red Cored Chantenay** A cross between Chantenay and Nantes, having the color, flavor and size of Chantenay, combined with the smooth skin and coreless characteristics of Nantes. A truly remarkable improvement. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

**DANVERS HALF LONG** (Special Strain). (75 days). This fine half long variety commands approval wherever planted. It has a handsome orange-red color and the smooth roots taper to a blunt point. It is principally grown for a late main crop and produces more to the acre than many of the larger varieties. The roots are about 6 inches long and about 2½ inches in diameter at the crown. A favorite. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 80c.

### NANTES IMPROVED CORELESS

(60 days). This valuable variety is a handsome, blunt ended type, 6 to 8 inches long. The skin is smooth and of a bright orange

color. Flesh red, sweet and deliciously flavored. Well adapted for frame use, and a preferred variety for the home garden. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

**Orange King** (Coreless). An excellent imported variety for home gardeners. Roots are half-long, practically stump-ending, having a very small and fine tap root. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

**Oxheart or Guerande** (70 days). Mature roots, 4½ to 5 inches long, very stout and thick, ending in an abrupt small tap root; small top and easily harvested. Color light, bright orange. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 80c.

**Long Orange** (75 days). Very handsome and uniform in shape. Roots are of deep orange color, good flavor. Yields very heavily. Requires a deep soil. Too long to be popular. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 80c.

## Carrots for Stock Feeding

4 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** Plant in May or June, sowing the seed in drills 3 feet apart. Thin out to stand 6 inches apart in the row.

**Large Yellow Belgian** (90 days). A mammoth yellow sort and very productive. The roots grow 12 to 16 inches long, very thick and grow about one-third above the ground. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**Large White Belgian** Like the Yellow Belgian in all respects except color. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



Danvers Half-Long Carrot.



New Golden Plume Celery.

## Celery

One ounce will produce 3000 plants; ¼ pound will plant an acre.

**DIRECTIONS FOR PLANTING.** Celery may be started early in cold frames or indoor boxes, or, when the weather becomes warm, plant outdoors in rows 8 to 10 inches apart, covering the seed one-half inch. When plants are advanced, thin out to 5 or 6 inches apart until ready for transplanting into trenches. In July set the plants in shallow trenches 3 feet apart, plants 6 inches apart in the row. Draw the earth around plants gradually to blanch, but avoid getting dirt into the heart and do not work while wet.

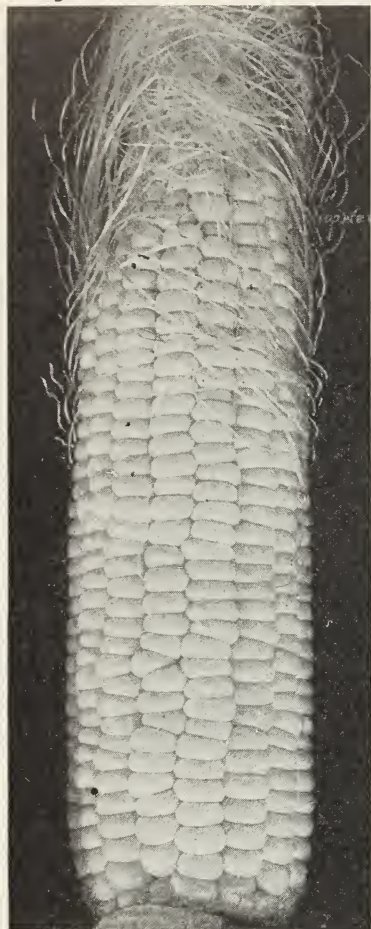
**Golden Self-Blanching** (110 days). This excellent dwarf to medium variety is a favorite golden yellow among both market gardeners and home gardeners. It grows 18 to 20 inches in height and produces large bunches with broad, heavy stalks and delicately rich flavor. Splendid keeper. Our selected strain of Golden Self-Blanching has never failed to satisfy its users, which is due to the fact that our grower puts the best of his efforts behind its culture. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; 1 lb., \$4.50.

**New Golden Plume** (105 days). This new introduction is unquestionably the outstanding Celery on the market. It is a new type selected from Golden Self-Blanching, fully a week earlier, producing a semi-dwarf plant of vigorous growth. It has wider leaves, thicker stems, and a full heart that bleaches quickly to a rich golden yellow. More resistant to blight and rust. Pkt., 10c; oz., 75c; ¼ lb., \$2.50; lb., \$8.00.

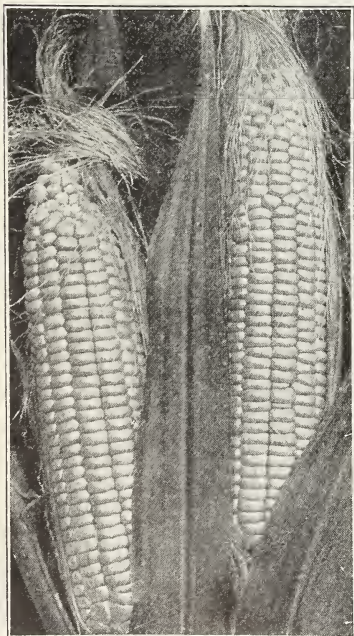
**SANFORD EASY BLANCHING** (115 days). A remarkably easy variety to blanch, and being adapted to early use as well as storing for winter, makes it especially suitable for the home garden. Stalks white, thick, brittle, and of excellent flavor. A strong healthy grower. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.

**White Plume** (110 days). A very early, handsome variety. Leaves light, bright green; easily blanching and beautiful silvery white color. A popular sort for first early market. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.





Howling Mob Sweet Corn.



Stowell's Evergreen Sweet Corn.

## Sweet Corn

One pound will plant 100 hills or 250 feet of row; 12 to 16 pounds will plant an acre in hills.

**DIRECTIONS FOR PLANTING.** Any good garden soil will produce fine corn. Plant after all danger of frost is over in hills 3 feet apart, dropping 4 to 5 grains to the hill; thin out to 3 best plants. For succession plant every 2 weeks up to July 15th.

### Best Early Varieties

#### GOLDEN SUNSHINE SWEET CORN

An Earlier Golden Bantam. In Golden Sunshine we have a new yellow corn which will come in the market a week or ten days earlier than Bantam, competing with the extra early white varieties, and which will be gone before Bantam is ready to eat. The plant growth is more dwarf than Bantam and the ears set closer to the ground. The ears are as large, measuring 6½ to 7 inches and 12 instead of 8 rowed. Of fine golden yellow color, exceptionally sweet and sugary. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.50.

**Golden Bantam** (60 days). An extra early favorite for the home gardener and the market gardener. The ears are a golden yellow color, 6 to 7 inches long and have a rich, sweet, butter-like flavor. The plants reach a height of about 5 feet and usually produce 2 ears with 8 rows of broad, deep kernels each. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00.

**Howling Mob** (65 days). One of the finest second early, large-eared sorts. Very productive; white, and of excellent quality. Ears 9 to 10 inches long, 16-rowed. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00.

**Mammoth White Cory** (65 days). One of the very earliest and the best of all early, white, Sweet Corns. The ears are 10- to 12-rowed, 7 to 8 inches long, and possess a sweet, delicious flavor. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00.

**Extra Early Adams** (52 days). Not a sweet corn. While this is not a real sweet corn it is grown considerably for early use by market gardeners. It is very hardy, will permit early planting; ears are 7 to 8 inches long, 12-rowed. It has a good, sweet flavor, and is very tender if used while young. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 10 lbs., \$1.50.

## Corn Salad

(OR FETTICUS)

One ounce will plant 100 feet of row; 5 lbs. will plant an acre.

**DIRECTIONS FOR PLANTING.** Sow the seed in rich soil at the first opening of spring in rows 1 foot apart and cover with ½ inch of fine soil. Thin plants to 6 inches apart in the row. For winter and early spring use sow in drills during August and September.

**Large Broad-Leaved** (42 days). A hardy winter salad, the leaves being much used in the winter in place of lettuce. Very appetizing. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c.

## Collards

**Georgia or Southern** (45 days). A member of the cabbage family producing an enormous quantity of large cabbage-like leaves that are cooked and served as "greens." Sow the seed in rows 2 feet apart early in the spring, and later thin out so the plants stand 1 foot apart. Used extensively throughout the South. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

**Adams' Early** (65 days). Not a sweet corn, but grown extensively for market. Similar to Extra Early Adams, but 2 weeks later. Ears are about 8 inches long, 12 to 14 rows and of a fair quality. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 10 lbs., \$1.50.

**Palmer's Early Table** (60 days). This is our special extra early table corn, which can be planted very early. While not a real sugar corn it is a valuable substitute and grown extensively for early market by commercial growers. Ears are longer than Adams' Early. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 10 lbs., \$1.50.

### Best Medium Early Varieties

**COUNTRY GENTLEMAN** (Shoe Peg). (70 days). This old reliable sort is always in demand by people who like good corn. The ears are large, with long, slender, white grains and a small cob. Has a delicious, sweet, tender and milky quality and "stays in the milk" longer than most varieties. Ears 7 to 8 inches long. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$2.00.

**Golden or Bantam Evergreen** (70 days). A cross between Golden Bantam and Stowell's Evergreen, and a most excellent sort, of fine quality. Ears 8 inches long, 12- to 14-rowed. Matures with Early Evergreen. Grain rather broad and deep; a rich golden yellow color. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00.

**Early Evergreen** (70 days). Resembles Stowell's Evergreen but matures 10 days earlier. Produces very large ears with deep narrow grains, tender and sweet. Ears slightly slimmer and shorter than Stowell's. 14 rows of grain to the ear. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00.

### Best Late Varieties

**STOWELL'S EVERGREEN** (80 days). The standard and best known Sweet Corn on the market. It produces large ears, 8 to 9 inches long, and usually having 16 to 18 rows of very deep, sweet kernels. The delicious flavor immediately commands approval and it has the advantage of keeping better than other varieties. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00.

**Black Mexican** One of the sweetest and best; ears 8 inches long and 8-rowed; grains bluish black when ripe. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., \$2.00.

## Chicory

One ounce will plant 100 feet of row; 4 lbs. will plant an acre.

**Witloof** (Also known as French Endive). (150 days). Used in increasing quantities each year as a salad. Forms leaves like Cos Lettuce, but its beautiful creamy white sprouts have a flavor not found in ordinary lettuces. Considered a rare delicacy and usually found only in the best hotels and restaurants; can easily be grown in the home garden. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

## Cress

### Extra Curled Cress or Pepper Grass

(20 days). A small curled plant having a fine pungent flavor and used as a salad. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

**Water Cress** (40 days). For growing along banks of ponds and streams. Wholly unlike Extra Curled; leaves are quite large and thick. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.



## Select Cucumbers

One ounce will plant 50 hills; 2 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** Cucumbers thrive best in a rich, sandy soil, but do well in any good garden soil, especially if fertilized. Plant as soon as the weather permits, in hills about 4 feet apart each way, placing 10 to 12 seeds to a hill and covering with one-half inch of soil. Thin out to 3 or 4 strong plants to a hill. If a succession is wanted, sow every 10 or 15 days up to July 1st. For pickles sow from June 15th to July 1st. Always pick Cucumbers as they reach full size, else they lower the productivity of the vine.

**Note.**—As soon as bugs appear, start dusting with Sodium Fluosilicate, mixed 1 pound to 5 pounds hydrated lime.

**Palmer's Wondergreen** is the earliest of the White Spine types, producing a tremendous yield of fruit 7 to 8 inches long, cylindrical in shape, and of a rich dark green color. In productiveness, flavor, appearance and all around good quality it cannot be surpassed. In addition to these very desirable qualities its outstanding point is that IT WILL STAY GREEN longer than any other variety. This makes it valuable for long distance shipping and general market use. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.75.**

**Davis Perfect** (50 days). An extra long dark green type of White Spine; retains its color and good qualities long after being picked. Fruit is exceptionally long, smooth, and tapering at both ends. Flesh crisp and solid, with few seeds. Midseason. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.75.**

**LONGFELLOW or VAUGHAN** (New). An excellent long, slender, dark green variety, equally desirable for greenhouse forcing or outdoor culture. A dependable straight-pack variety for shipping. Also ideal for the home garden. Cucumbers average 12 to 14 inches in length and 2½ inches in diameter. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00; 5 lbs., \$9.50.**

**Klondike** (60 days). A medium early, dark green strain of White Spine. Fruits are very attractive, rather thick and short, tapering abruptly at both ends. Holds its color well but only fairly productive. The

average size is 6 to 7 inches long and about 2½ inches in diameter. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.75.**

**Early Fortune** (55 days). The finest type of White Spine yet produced. Early; very productive and disease resistant. Fruits 9 inches long, slightly tapering. Flesh white, very firm and crisp, and very few seeds. Color rich dark green, which does not fade when shipped a long distance. 9 x 2½ inches. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.75.**

**London Long Green** (65 days). A selection from the standard sort. The fruits are 12 to 14 inches long, with a deep green skin and solid, crisp flesh. The young Cucumbers make excellent pickles. Turn yellow at maturity. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.75.**

**Arlington White Spine** (55 days). One of the very earliest and best known of the White Spines. A short, square-ended, rather three-cornered type. Very productive; fine for slicing or pickling. Medium green color. 7½ x 2½ inches. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.75.**

**SNOW'S PICKLING** An early maturing, very small, dark green Cucumber, cylindrical, square ended, and very popular with growers for small pickles. We believe the seed we offer meets in all respects the requirements of those who want a bottle pickle. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.75.**

**EXTRA LONG EVERGREEN WHITE SPINE** (55 days). Averages longer than other strains. Extra fine shape and quality; makes a good pickler. May be used for growing under glass. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.75.**

**Chicago Pickling** (Westerfield's). (60 days). A most excellent pickle sort; very uniform, productive and good color. Our strain is much superior to stocks generally sold under this name. 7 x 3 inches. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.75.**

**Small Gherkin** (Burr). (80 days). A small burr-covered variety used exclusively for pickles. Color light green, size 2 inches long and 1½ inches thick; oval shape. **Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50; 5 lbs., \$7.00.**

**Early Green Cluster Pickling** (50 days). The fruits are small, short and chunky and grow in clusters in the center of the plant. Size about 5 inches long and 2½ inches thick. Color light green. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.75.**



Palmer's Wondergreen Cucumber.

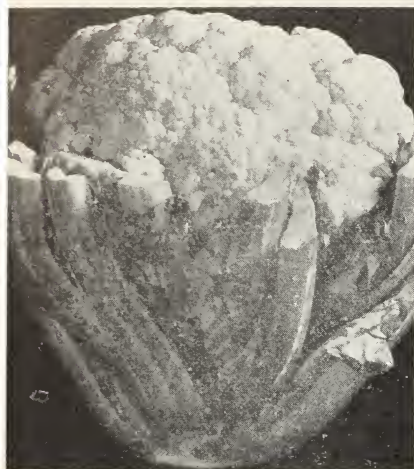


Early Green Cluster Cucumber.

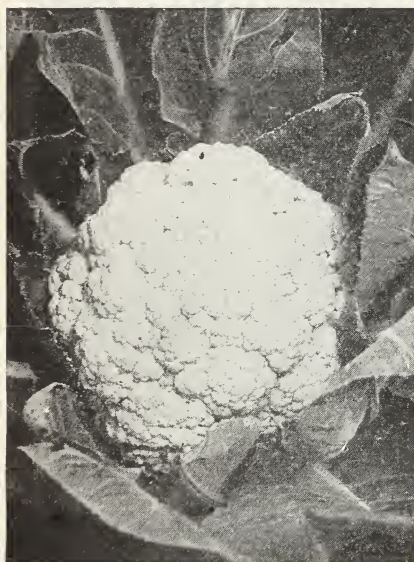


Snow's Pickling Cucumber (Bottling Size).





Palmer's Snow King.



Peerless Snowball.



White Curled Endive.

## Cauliflower

One ounce will produce about 3000 plants;  
¼ lb. per acre.

**DIRECTIONS FOR PLANTING.** Cauliflower delights in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow the seed in the hotbed in January or February and transplant the plants 2 to 3 inches apart in boxes or in another hotbed until such time as they may safely be planted in the open ground. Set the plants in the open field 2 feet to 15 inches apart. When heading tie the outside leaves loosely over the head to protect it from the sun.

### Palmer's "Snow King"

A Wonderful New Cauliflower

An entirely new and better strain of Cauliflower from Denmark. It is healthier and more vigorous than other varieties, more resistant to adverse weather, and yields a much higher quality under ordinary conditions.

Palmer's "Snow King" starts to head through the field at practically the same time, is quite a bit earlier than standard Snowball or Erfurt.

The flowers at maturity average 10 inches in diameter.

Pkt., 25c; ½ oz., \$3.00; oz., \$5.00.

### Peerless Snowball

Until the introduction of Super Snowball the Peerless was our leading strain. It is a strong, vigorous grower and produces high quality flowers of excellent appearance, producing as high as 95 per cent perfect heads. Very resistant to adverse conditions.

Pkt., 15c; ½ oz., \$1.50; 1 oz., \$2.50; ¼ lb., \$8.00; 1 lb., \$25.00.

**Extra Early Dwarf Erfurt** (95 days). Before the introduction of Palmer's Peerless Snowball, Extra Early Dwarf Erfurt was our leading early variety. Very fine short-stem sort, producing large, compact heads, free from blight. One of the best kinds. We import this strain from Germany and have always been complimented on its superior qualities. Pkt., 15c; ½ oz., \$2.50; oz., \$4.00; ¼ lb., \$15.00; 1 lb., \$50.00.

## Eggplant

One ounce will produce 1000 plants.

**DIRECTIONS FOR PLANTING.** Start the seeds in a hotbed during February, using a light, rich soil. If no hotbed is available, use an indoor box placed by a window reached by sunlight. When the weather becomes warm and settled, transplant in the open so the young plants will stand 2 to 2½ feet apart each way.

**New York Improved Purple** (130 days). A beautiful, large, oval, deep purple variety. Its distinguishing features are that it is entirely spineless and produces from 6 to 8 fruits of a wonderful quality. The plant is low-growing with a vigorous, branching habit. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**BLACK BEAUTY** (120 days). The earliest and best, coming in about 10 days ahead of New York. It is a prolific producer of large fruits that are perfectly spineless and smooth. It has a beautiful rich purple color and the quality is exceptional. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

## Endive

One ounce will plant 200 feet of row;  
3 lbs. will plant an acre.

**DIRECTIONS FOR PLANTING.** Endive will thrive in any good garden soil. Sow the seed for early use about April 15th in rows about 1½ feet apart, covering the seed lightly. When the plants are 2 or 3 inches high, thin out or transplant to about 1 foot apart. Before gathering blanch for about 2 weeks to make them crisp and tender. For a fall crop sow in June or July.

**Broad-Leaved Batavian** (Escarolle). (45 days). One of the best varieties for salad. Leaves of upright growth, broad, more or less twisted and wavy; bright green with a nearly white midrib. Inner leaves form a fair head, which blanches a creamy white. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**GREEN CURLED** (40 days). The most hardy and vigorous sort; leaves bright, deep green, with the outer midribs showing a trace of rose. Readily blanches a creamy white. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**White Curled** (35 days). The divided leaves are of a very light yellowish green color, which blanches mostly white. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

## Kale

One ounce will sow 200 feet of row; 4 lbs. will plant an acre broadcast.

**DIRECTIONS FOR PLANTING.** Any good garden soil will grow Kale successfully. For spring crops sow the seed in August and September and cover with straw for the winter. For a late fall crop sow the latter part of June. The general method is to broadcast but the seed may also be sown in rows 1 to 1½ feet apart and covered firmly with ½ inch of soil. When the plants are large enough, thin out to about 18 to 24 inches between each plant.

**NEW BLUE CURLED SCOTCH** (Dwarf Norfolk Strain). (50 days). The plant of this fine Kale is low and compact, and of a spreading habit. Leaves are finely curled and have a rich bluish green color. It is extremely hardy and is tender and delicately flavored. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$1.75.

### DWARF GERMAN GREEN or SIBERIAN

(60 days). A most vigorous and spreading variety; leaves are large and rather plain in the center but cut and frilled at the edges. Color is a bluish green. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; 5 lbs., \$3.00.

**Tall Green Curled Scotch** (60 days). The plants grow to a height of about 3 feet, producing long, finely curled and handsomely fringed leaves of green color. Resembles ostrich plumes very much. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

**Ostrich Plume or Semi-Dwarf** (60 days). Plant is low and compact but has large, bright, deep green leaves that are curled, cut and crimped until the whole plant resembles an ostrich plume. Grows not over 12 inches high. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

## Chervil

The leaves are used for flavoring and garnishing the same as parsley. Sow the seed in the spring in well prepared ground, making the rows 1 foot apart. Cultivate like parsley. Pkt., 5c; oz., 30c; ¼ lb., 85c; lb., \$2.75.



## Kohl-rabi

One ounce will plant 200 feet of row;  
3 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** Kohl-rabi succeeds in a rich loam soil. Sow in spring in rows about 12 to 18 inches apart, covering seed firmly about  $\frac{1}{2}$  inch. Thin out to stand 6 inches apart. Or start seed in hotbeds about February 15th and transplant in the open when the weather is safe. For fall use sow the latter part of July.

### WHITE VIENNA SHORT LEAVED

(50 days). A very select early variety; smooth skin, and having only a few short leaves. Bulbs are of medium size, crisp and tender, and have a delicious flavor. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00.

**Early Purple Vienna** (60 days). Resembles White Vienna in flavor and quality, but matures a few days later and is more resistant to heat. Leaves and stems purplish; root purplish with white flesh. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00.

## Kohl-rabi Plants

**WHITE VIENNA SHORT-LEAVED.** 25 for 25c; 100 for 75c.

## Mustard

One ounce will plant 100 feet of row; 1 lb. will plant an acre in rows; 2 lbs. broadcast.

**DIRECTIONS FOR PLANTING.** Any good garden soil will produce fine Mustard. Sow early in the spring in rows 12 inches apart, covering the seed with one-half inch of soil. Cut when about 4 inches high. For succession sow every few weeks until autumn.

**Southern Giant Curled** (30 days). The plants are vigorous and hardy; of upright spreading growth and produce a large quantity of green leaves. The leaves have a yellowish tint and are much crumpled and frilled at the edges. Best for early sowing and fall crop. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 50c; 5 lbs., \$2.25.

**FORDHOOK FANCY** (30 days). A handsome, strong growing variety with beautiful dark green leaves, curled, and fringed, having the appearance of ostrich plumes. Yields an enormous quantity of greens and the plants will stand a long time before going to seed. Flavor is mild, excellent for salads and garnishing. Best for second crop. Pkt., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 50c; 5 lbs., \$2.25.

**Chinese Broad Leaf** A vigorous growing, sweetly pungent variety. Large, broad, smooth leaves. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 50c; 5 lbs., \$2.25.

**Mustard Spinach or Tendergreen** A new delicacy in greens, especially recommended for summer sowing. If picked while young, it is relished by all who try it. Cross between spinach and mustard. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00.

## Leek

One ounce will plant 100 feet of row;  
4 lbs. per acre.

**DIRECTIONS FOR PLANTING.** Sow the seed early in the spring in rows 12 to 18 inches apart, covering the seed about 1 inch. When the plants are about 6 inches high, transplant or thin out so they stand 6 to 8 inches apart in the row. Set the young plants deeply so the neck will be well covered.

**BROAD AMERICAN FLAG** (70 days). A very fine, early variety that is extremely hardy and productive. It is a quick grower and produces large, strong plants with broad leaves of mild flavor. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00.

## Herbs and Miscellaneous Seeds

Most herbs thrive best in sandy soil. It should be carefully prepared and cultivated as the young plants are delicate and easily crowded out by weeds. Sow as early as ground can be worked in rows 16 to 18 inches apart, making sure soil is fine and pressed firmly over seed. Most herbs should be cut when in bloom, wilted in the sun, and thoroughly dried in the shade.

**ANISE.** (Annual). Used for garnishing and flavoring and also for medicinal cordials. Pkt., 10c; oz., 20c.

**BALM.** Used for making Balm Tea and Balm wine. Pkt., 10c; oz., 50c.

**BASIL, Sweet.** (Annual). The leaves are used for flavoring soups and sauces. Pkt., 10c; oz., 20c.

**BORAGE.** (Annual). Used as a pot herb and for bee pasturage. Leaves are used in salads. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**CARAWAY.** (Annual). The leaves are used to flavor soups and liquors, and the seeds for flavoring cakes, pastry, etc. Pkt., 10c; oz., 15c.

**CARDUON.** Stalks are blanched like celery and used for salads and soups. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; 1 lb., \$2.50.

**CATNIP or CATMINT.** (Annual). Grown for bee pasturage and for flavoring foods. Pkt., 10c; oz., 60c.

**CORIANDER.** (Annual). The seeds are used in confectionery and to disguise the taste of medicines. Pkt., 10c; oz., 20c.

**DANDELION.** Cultivated for spring greens. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**DILL.** (Annual). The leaves are used for flavoring soups, sauces, etc., and for making pickles. The seeds are also used for seasoning. Possesses some medicinal properties. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**FENNEL, Sweet.** (Perennial). The leaves are used for flavoring and garnishing and the seeds are used in confectionery. Also in various medicinal preparations. Pkt., 10c; oz., 20c.

**FENNEL, Florence.** (Annual). An excellent salad plant and is also used boiled. Pkt., 10c; oz., 20c.

**HOREHOUND.** (Perennial). Leaves used in the preparation of cough medicines and for flavoring. Pkt., 10c; oz., 30c.

**HYSSOP.** (Perennial). Used in the manufacture of teas for medicinal purposes. Pkt., 10c; oz., 30c.

**LAVENDER.** (Perennial). The leaves are occasionally used for seasoning, the flowers in perfumes. Pkt., 10c; oz., 30c.

**MARJORAM, Sweet.** (Annual). Leaves are used for flavoring broths, dressing, etc. Pkt., 10c; oz., 25c.

**ROSEMARY.** (Perennial). Leaves are used for flavoring meats and medicinal drinks. Pkt., 10c; oz., 35c.

**PEPPERMINT.** (Perennial). The leaves and stems are used for flavoring and for making peppermint extracts. Pkt., 25c.

**SAGE.** (Perennial). Used extensively for seasoning and also believed to possess medicinal properties. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 90c; lb., \$1.50.

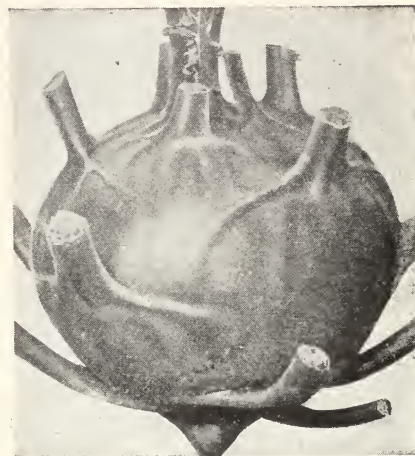
**SORREL, Broad Leaf French** (60 days). A vigorous growing variety with broad, thick leaves that are very delicious and tender. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**SUMMER SAVORY.** (Annual). The dried stems, leaves and flowers are used for seasoning. Pkt., 10c; oz., 20c.

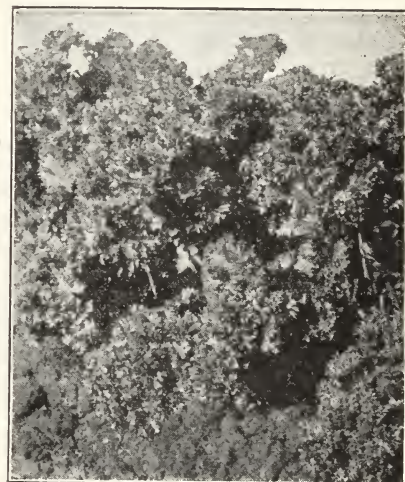
**TARRAGON.** (Perennial). The leaves, fresh or dried, are used in preparing pickles, vinegar, etc., and for flavoring foods. Pkt., 25c.

**THYME.** (Perennial). Used for seasoning and for making tea to relieve nervous headaches. Pkt., 10c; oz., 50c.

**WORMWOOD.** (Perennial). Leaves used as a tonic and as a dressing for bruises. Also planted in poultry yards. Pkt., 10c; oz., 30c.



White Vienna Short Leaved Kohl-rabi.



Fordhook Fancy Mustard.



Dill.

Sage.



## Lettuce

One ounce will plant 125 feet of row; 100 square feet broadcast, or produce about 3000 plants. 2 to 3 pounds will plant an acre in rows.

**DIRECTIONS FOR PLANTING.** A good soil for lettuce is one mixed with well-rotted stable manure. Sow the seed as soon as ground can be worked in rows 1 foot apart for hand cultivation; 20 inches apart for horse cultivation. When plants are reasonably advanced thin out so they stand 8 inches apart for heading. For early varieties sow the seed in hotbeds about March 15th and transplant when seedlings are about 2 inches high in cold frames, setting the plants 4 inches apart each way. Transplant to the garden about May 1st. For fall crop sow in July and August.

**PALMER'S NO. 20** (40 days). An early, medium sized variety forming handsome, compact heads. It has a very attractive appearance, excellent quality and forms leaves that are crumpled and blistered. The inner head blanches a rich, buttery yellow. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Selected Big Boston** (45 days). The most popular Lettuce for outside culture as well as cold frame forcing. Produces large, compact heads with smooth broad leaves, waved at the edge, and crisp. The leaves have a bright green color, slightly tinged with brown on the margins. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**PALMER'S NO. 16** (45 days). Any gardener in the St. Louis market will tell you of the superior quality of our No. 16 Lettuce. It is extremely popular for outdoor culture in the spring and fall and for cold frame culture. The heads are large, hardy, and vigorous, having broad, smooth thin leaves of a bright green color. Does better than any other during the cool fall and spring months. No. 16 is crisp and has a rich buttery flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**New York or Wonderful** (Also known as Los Angeles). Many Pacific Coast growers ship this variety East under the name of Iceberg, but it is a distinct variety from Iceberg. The heads are closely folded and grow to an enormous size, sometimes 15 inches in diameter. The outer leaves tightly overlap and have a rich dark green color, while the inner portion is beautifully blanched, the quality being crisp and tender. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**UNRIVALED** (36 days). Preferred by many growers to white-seeded Big Boston, over which it is an improvement. It produces large, solid, light green heads that do not show the reddish brown tinge of Big Boston. Its chief merits are being 10 days earlier than Big Boston and not subject to burn. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Trianon Cos or Romaine** (55 days). The finest of the Cos or blanching varieties. Heads solid, with long, narrow leaves that blanch snowy white. Blunt at the top. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Allheart** Resembles Salamander in appearance but the heads are not quite so large. It is the best hot-weather Lettuce that we know, having withstood repeated tests on hot, hard soil. This is one of our specials. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**Chicken Lettuce** Very hardy, rapid growing, medium light green, non-heading butter type which produces flower stalks early and furnishes an abundance of leaves over a long period of growth. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Improved Hanson** (45 days). Excellent for summer planting. The large heads are almost globular. The leaves are large and broad, fairly blistered and crumpled with frilled edges, and the heart is solid and well blanched. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**ST. LOUIS MARKET** (The best hot weather Lettuce). (45 days). A cabbage or butter head variety with medium dark green leaves that are crumpled and straight edged. Produces large, compact heads and the quality is unusually crisp and tasty. Grown more extensively by market gardeners for summer use than any other. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Palmer's Black-Seeded Forcing** (40 days). A cabbage, butter head variety of medium size. The leaves are crumpled with straight edges, medium green in color, tinged brown at the edges. Forms very compact, solid heads of excellent quality. Used extensively for forcing, but also suitable for early outdoor planting. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Iceberg** (50 days). Curled or crisp heading; medium large, medium green; leaves wavy with fringed edges, tinged with brown. Forms a compact head, very white inside. Tender, crisp, and of decidedly fine flavor. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**Early Curled Simpson** (40 days). An early, loose heading, erect variety of fairly large size. Leaves light green, broad, crumpled and frilled at the edges. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Black-Seeded Simpson** (40 days). One of the best and most desirable large, early loose-heading varieties; succeeding everywhere and always dependable. The leaves are light yellowish green, broad, crumpled and frilled. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Prize Head** (45 days). The plants are medium large, leaves bright green shaded light brown, edges much crumpled and frilled. Strictly non-heading. The quality is crisp; tender and deliciously flavored. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Grand Rapids Forcing** (38 days). Particularly adapted for winter culture in greenhouses, but also very desirable for early outdoor planting. Grand Rapids does not form a head but has an upright growth of large leaves attractively curled and fringed. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Mammoth Black-Seeded Butter** (42 days). An excellent head Lettuce with large, compact heads. The leaves are yellowish green, broad, fairly crumpled and blistered, and the heart is beautifully blanched. The quality is crisp, tender, and of a rich, buttery flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**White Boston** This is a cabbage, butter-head-type, leaves smooth and straight on the edges. Plant and head entirely light green; heart buttery and yellow. This strain is the best in existence, and we have given it this name to distinguish it from Big Boston. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Brown Dutch Winter** (76 days). Standard very hardy sort. Plant medium large; dark green overlaid with bronze-red; forms moderately firm buttery head, yellowish inside, and of good quality. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.



Trianon Cos Lettuce.



Palmer's No. 20.



Grand Rapids Lettuce.



## Fancy Muskmelon

One ounce will plant 50 hills; 2 to 3 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** Melons require a rich, sandy loam, and about 100 days of good growing weather. Sow the seed early in May in hills 4 to 6 feet apart each way, placing 10 to 12 seeds to a hill. Cover the seed about 1 inch with fine soil, firmly pressed down. Mix a shovelful of well-rotted manure with the soil in each hill. When large enough thin out to the four strongest plants.

**Note:** Soon as bugs are noticed start dusting with Sodium Fluosilicate, mixed 1 lb. to 5 lbs. of Hydrated Lime.

### Best Salmon Fleshed Varieties

#### Palmer's DEE-LIGHT Melon

##### A New Specialty

This new melon is expected to win the commendation of all who plant it this season. Has a very thick, deep orange flesh and small seed cavity; skin, light green, coarsely netted, turning yellow when ripened. Of excellent flavor and substance. **Prices, pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.**

#### HEARTS OF GOLD (Improved Hoodoo).

(70 days). This wonderful variety has enjoyed a sensational rise to popularity. The fruits are of medium size, slightly oval, with a tendency to heart-shape, distinctly ribbed and densely covered with a fine gray netting. The flesh is a rich orange color; very thick, has a small cavity and ripens thoroughly to the rind. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.75.**

#### Hale's Best (70 days).

This is a new variety selected from the Pollock 10-25 and Rocky Ford, originating in the Imperial Valley of California. A remarkable early Melon, of delicious flavor, and particularly valuable for shipping. The Melons are oval-shaped, about 8 inches long and 4½ inches in diameter, with heavy netting and fairly distinct ribbing. The flesh is exceptionally thick, deep salmon in color, and has a very small seed cavity. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.75.**

## Okra

One ounce will plant 100 feet of row;  
8 lbs. will plant an acre.

**DIRECTIONS FOR PLANTING.** Plant in rich ground when the weather is warm and settled, in rows 3 feet apart, thinning the plants to stand 8 to 10 inches apart.

#### Early Dwarf Green Short Pod (50 days).

An extra early maturing variety of dwarf growing habit and very productive. Bush of compact and stocky growth and bear a tremendous crop of pods. The pods are short, deep green, very tender, and fibrous. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.**

#### Mammoth Long Green (Also known as Perkins' Mammoth).

(60 days). A very prolific variety maturing early and producing a big crop of long, slender, deep green pods. They are slightly corrugated, tender, and do not harden as quickly as other long-podded sorts. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.**

#### White Velvet (55 days).

A vigorous, tall growing variety producing an abundance of long, smooth, creamy white pods. The plants reach a height of about 3½ feet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.**

**POLLOCK 10-25** (Pink Meat Rocky Ford). (70 days). Identical with Rocky Ford except the color of the flesh, which is light salmon in color at the center, shading into a light green midway to the rind. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.75.**

**Burrell's Gem** (75 days). An excellent small, oval-shaped Melon of the Netted Gem type, but somewhat later and slightly larger. The Melons are well ribbed and covered with a fine gray netting. The flesh is thick, firm, of salmon-orange color. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.75.**

**Tip Top** (80 days). A large sized, salmon flesh variety, varying from round to slightly oblong. Somewhat late in maturing. The skin is pale green, deeply ribbed and moderately netted. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.75.**

**Osage Salmon** (75 days). The Melons are rather large, oval-shaped, having a distinct, dark green skin with gray netting, slightly ribbed. Flesh very thick, deep salmon. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.**

### Best Green Fleshed Varieties

#### Rocky Ford (Also known as Netted Gem).

(70 days). Our improved strain of this popular Melon is grown by the leading grower in Rocky Ford, Colorado. It is a vigorous growing, medium early variety and produces an abundance of fruit. The Melons are almost round, slightly oval, show no ribs, and are covered with a heavy, hard gray netting. The flesh is thick and of a deep green color, showing a faint lining of pink or gold at the center. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.75.**

#### Large Hackensack (75 days).

The fruits are large, round, and flattened at the ends and well ribbed. The flesh is green, thick, and exceedingly tasty. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.75.**

**Honey Dew** (120 days). **Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50; 5 lbs., \$6.00.**

## New Mushroom Spawn

### WRITE FOR FREE CULTURAL LEAFLET

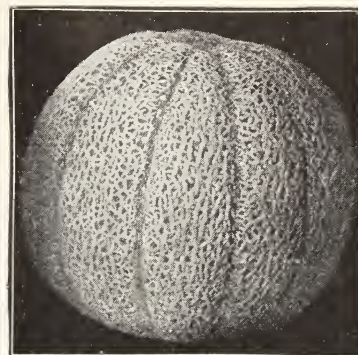
We have compiled in complete form a leaflet giving all information that will enable you to start growing Mushrooms right now. This will gladly be sent free to anyone writing us, whether you order spawn or not.

#### Lambert Spore Culture

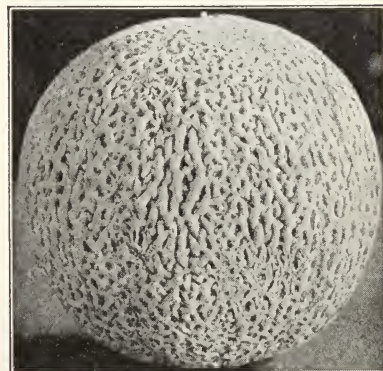
This type of spawn is the most practical and gives best results. It comes in bricks weighing 1 to 1¼ pounds each. One brick will spawn about 10 square feet of bed. We keep a fresh stock on hand at all times and you can be sure of high quality when you order our Lambert Spore Culture. **Per brick, 25c; 5 bricks, \$1.00; 100 bricks, \$17.00.**

## Select Horseradish Roots

Roots are planted in the spring and will produce large, straight roots for use the same season. Roots may be left in the ground all winter without damage, and dug as needed. Plant the roots as early in the spring as possible in rows 3 feet apart, allowing 12 to 15 inches between plants in the row. Cultivate like potatoes. **25 for 30c; 100 for \$1.00; 1000 for \$6.00.**



Hearts of Gold Muskmelon.



Pollock 10-25 Muskmelon.



Okra—Dwarf Green Short Pod.



## Watermelon

One ounce will plant about 30 hills; 4 to 5 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** A light sandy loam soil with plenty of sunshine is best for Watermelons. Plant in hills about 8 feet apart each way, using a shovelful of well-rotted manure to each hill. Place 8 to 10 seeds to a hill. Thin out to three strongest plants.

**Stone Mountain** A new round watermelon rapidly growing in popularity throughout the South and West. It has a light green skin and deep crimson flesh, free from white hearts and stringiness. It is not a good shipping melon for long distances, but can be highly recommended for home gardens and nearby markets. Pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

**SELECTED TOM WATSON** (85 days). Extra long attractive Melons measure 2 feet long and 10 to 12 inches in diameter, weighing 40 to 50 pounds each. The large delicious fruits are of dark green color and have a tough rind, but comparatively thin. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**Fordhook Early** (60 days). This is the earliest Watermelon we offer. It is large in size and possesses a deliciously sweet flavor. The Melons are nearly round, have medium green skin and bright red flesh. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**Thurmond Grey** (85 days). A large, beautiful Melon of grey-green color maturing about the same time as Tom Watson. The rind is very tough which makes it an excellent Melon for shipping. The flesh is rich crimson and of luscious quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**KLECKLEY'S SWEET** (Also known as Monte Cristo). (80 days). A dandy Melon for home use or nearby markets. While the skin is too thin to permit shipping long distances, the delicious quality of Kleckley's Sweet has won for it thousands of friends who like good Watermelons. The Melons are very large and oblong and have a rich, dark green color. The flesh is bright scarlet and has a solid heart. Melons average 18 to 20 inches long and 10 to 12 inches in diameter. Seeds white. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**Irish Grey** (80 days). A large, long, main-crop variety, with a distinctive grey-green skin. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**Halbert's Honey** (80 days). A handsome dark green Melon measuring 18 to 20 inches long and 6 to 8 inches in diameter, averaging 35 pounds each. The flesh is beautiful crimson color and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**NEW WONDER WATERMELON** This new variety of Melon is about 5 or 6 years old, and is gaining in popularity each year. It is a large and long Melon, somewhat resembling the Watson; the rind is a dark, solid green, being thin but very tough. The flesh is a beautiful red, having a solid heart which does not show a hollow. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**Preserving Citron** (100 days). A fine large round Citron that is widely used for making preserves. Melons grow to a good size and the flesh is solid and practically white. Rind is dark green mottled with a lighter shade. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

## Vegetable Plants

Shipped by Parcel Post and Express at purchaser's expense and risk.

The Vegetable Plants listed here are all grown by one of the best market gardeners in St. Louis County, especially for our critical trade. Only the best strains of Palmer's Seeds are used to produce these plants. Therefore, do not confuse them with low-priced plants of doubtful variety and quality. Fresh plants are obtainable each day in our retail store from April to June.

Variety	Doz.	25	50	100	1000
<b>CABBAGE.</b>					
Copenhagen Market		\$0.25	\$0.45	\$0.75	\$6.00
Golden Acre		.25	.45	.75	6.00
Wakefield		.25	.45	.75	6.00
All Seasons		.25	.45	.75	6.00
<b>CAULIFLOWER.</b>					
Peerless Snowball	.15	.30	.50	1.00	9.00
Snow King	.15	.30	.50	1.00	9.00
<b>KOHL-RABI.</b>					
White Vienna		.25	.45	.75	6.00
<b>TOMATO.</b>					
Livingston Globe	.20	.40	.75	1.25	10.00
Marglobe	.20	.40	.75	1.25	10.00
Ponderosa	.20	.40	.75	1.25	10.00
Stone	.20	.40	.75	1.25	10.00
Livingston Beauty	.20	.40	.75	1.25	10.00
<b>PEPPER.</b>					
Palmer's Special	.20	.40	.75	1.25	9.00
Bull Nose	.20	.40	.75	1.25	9.00
Chinese Giant	.20	.40	.75	1.25	9.00
California Wonder	.20	.40	.75	1.25	9.00
Long Narrow Cayenne	.20	.40	.75	1.25	9.00
<b>SWEET POTATO.</b>					
Red, Yellow, White		.20	.35	.65	5.50



New Wonder Watermelon.



Cabbage Plants.

Visit Our Retail Store  
During the Spring  
Season

Perhaps we can help make your  
1932 garden a better one.



## Onion Seed

One ounce will plant 100 feet of row; 5 to 6 pounds per acre.

**DIRECTIONS FOR PLANTING.** Onions grow best in rich, sandy loam soil or even in black loam. For an early crop sow the seed in hotbeds or cold frames in February; transplant to the open when large enough to handle in rows 1 foot apart, allowing 3 to 4 inches between plants. Open ground sowing is made right after frosts are gone. Sow in rows 1 foot apart and thin out to 3 to 4 inches between plants.

### Best White Varieties

**WHITE BUNCH** (Thick Neck Bunching), (100 days). This strain was procured by us from one of the leading European growers, and we are fortunate in being able to offer our customers such a splendid Onion. Has a thick, firm neck and is especially recommended to market gardeners for bunching. Has thick necks and strong tops. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**SOUTHPORT WHITE GLOBE** (120 days). Of the true Southport Globe form, with a thin, delicate screen of purest paper whiteness; flesh is very crisp, fine grained, snow-white in color; exceedingly mild; usually commands the highest price in the market. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**White Portugal or Silverskin** (95 days). (Same as Philadelphia White Silverskin). A splendid medium size flat Onion with silver-white skin and firm, solid, fine grained flesh. The flavor is mild and sweet. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**White Lisbon** Used while young for bunching. The bulbs are somewhat flattened, 3 to 4 inches in diameter, and 2 to 3 inches thick, with rather thick necks and strong tops. Not a good keeper. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**White Welsh** Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**St. Louis County Frost-Proof** This is seed of our own growing produced in St. Louis County. It is of the Silverskin type and extremely hardy. Will withstand the most severe Winter weather. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.00.

**Crystal Wax Bermuda** Rapidly becoming the most popular of Bermuda Onions. It is absolutely pure white, and has a delicious, mild flavor. Flat and of medium size. Pkt., 10c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.

### Best Red Varieties

**Southport Red Globe** (120 days). A beautiful large globe Onion with small neck. The skin is a dark red color and the flesh is white, slightly tinted with pink. Tender and rather strongly flavored. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**Red Wethersfield** One of the oldest and best known types of Onion. A fine, large, rather flat sort of a deep purplish color. Used largely in the production of Onion sets. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

### Best Yellow Varieties

**Southport Yellow Globe** (110 days). The most largely grown Yellow Globe Onion for market use. The bulbs are true globe-shaped, having a small neck and a heavy, thick skin, which makes it excellent for storage. The skin is a bright golden yellow and the flesh pure white. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**Giant Yellow Prizetaker** (100 days). Grows to an enormous size, weighing as much as four pounds each, and often measuring 4 to 5 inches in diameter. The skin is a handsome light yellow and the flesh white with a pleasingly mild flavor, crisp, solid and juicy. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**Danvers Yellow Globe** (110 days). They ripen evenly and make an excellent Onion for storage and shipping. The skin is a rich brownish yellow and the flesh is creamy white, solid, tender and possesses a delicious mild flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**Yellow Bermuda** (Sometimes called "White Bermuda"). Grown extensively in Texas. Produces a large, straw-colored Onion; ripens early and has a most delicious, sweet and mild flavor. Pkt., 10c; oz., 45c; ¼ lb., \$1.25; lb., \$4.00.

### Bermuda Onion Plants

**Yellow and Crystal Wax** 100 plants for 20c; 1000 plants for \$1.50; \$6.50 for case of 6000 plants.

### Palmer's Onion Sets

One quart will plant 50 feet of row; 8 bushels will plant an acre.

**DIRECTIONS FOR PLANTING.** Onion Sets should be planted in rows 12 inches apart, sets spaced 2 inches apart in the row.

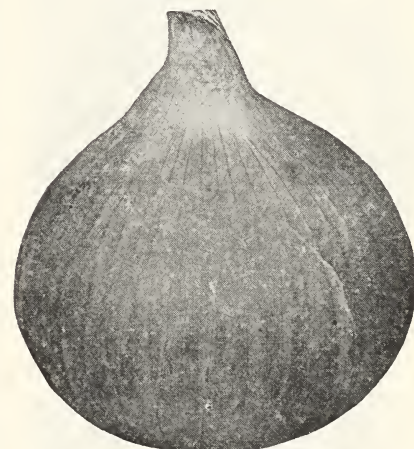
**White Onion Sets** Grown from our strain of White Portugal or Silverskin. Fully described in Onion Seed section. 1 lb., 20c; 4 lbs., 75c; bu., \$2.50.

**Red Onion Sets** Hardy and good keepers. 1 lb., 15c; 4 lbs., 50c; bu., \$2.25.

**Yellow Onion Sets** Produce medium size, globe Onions of excellent quality. 1 lb., 15c; 4 lbs., 50c; bu., \$2.25.



White Globe Onion.



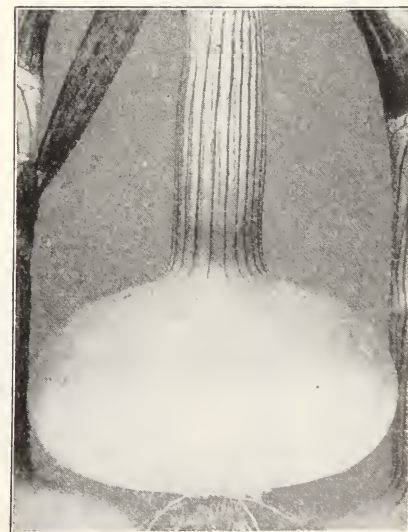
Southport Red Globe.



Crystal Wax Bermuda.



White Bunch.



White Portugal.



## Pepper Seed

1 ounce will produce 1500 plants; 5000 plants will plant an acre.

**DIRECTIONS FOR PLANTING.** A warm, mellow soil is most suitable for Peppers. Start the seed in a hotbed or indoor box during March or April. When the weather becomes warm and the earth dry, transplant to the open in rows 2½ feet apart, allowing 1½ feet between each plant.

**PALMER'S SPECIAL** (120 days). This remarkable strain of Early Giant Peppers was developed by one of the leading commercial growers in St. Louis County, whose Peppers have always commanded the highest price on the local market. Combines the qualities of large size, mild flavor, productiveness and extreme earliness. It is a four-nosed Pepper on the order of Sweet Mountain, but is longer, larger and of better quality. A plant with 12 to 15 Peppers is not uncommon. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$4.50.

**CALIFORNIA WONDER** (New). A very striking new sort of large size, having wonderful thick flesh, often ¼ to ¾ inches thick, which is deliciously crisp, tender, and sweet, like the finest pimientos. In color it is a brilliant dark green changing to crimson when ripe and is of uniform shape and smoothness. Pkt., 10c; oz., \$1.00; ¼ lb., \$3.00; lb., \$9.00.

**PALMER'S EARLY GIANT** The earliest and most prolific of all large Peppers. Is of dwarf, compact growth, bearing as many as 12 pendent fruits on a single plant. Fruit scarlet, measuring 5 inches long by 3½ inches in diameter; 3-lobed, mild and sweet. A profitable Pepper for the market. Pkt., 10c; oz., 75c; ¼ lb., \$2.25; 1 lb., \$7.50.

**Worldbeater** (130 days). The shape is like Ruby King and the size almost equal to Chinese Giant, but not so broad. A vigorous grower, sure cropper, and very prolific. The fruit is a beautiful scarlet, exceedingly mild. Flesh thick and firm, making this variety an excellent shipper. Rapidly grown in fair shape in the South. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.50.

**Bell or Bull Nose** (120 days). The plants are very vigorous and sturdy, 2 feet high, and bear an abundance of deep green fruits that ripen to a beautiful scarlet-red. The fruits are about 3 inches long, 2 inches in diameter and blunt ended. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$4.50.

**Chinese Giant** (140 days). One of the best large, mild, red varieties. The plant has a short, stocky growth, and the fruits are thick, blocky, 4 to 5 inches in diameter, and of equal length. The color is a brilliant shiny scarlet. Makes an excellent mango for stuffing. Pkt., 10c; oz., 50c; ¼ lb., \$1.75; lb., \$5.50.

**Crimson Giant** (120 days). This very desirable sort makes large fruits, ripens early, and bears a big crop of Peppers that are mild and sweet in flavor, and are fine for salads and mangoes. The fruits average 5 inches long and 3½ inches in diameter. Pkt., 10c; oz., 60c; ¼ lb., \$1.75; lb., \$5.50.

**Ruby King** (120 days). One of the most profitable and satisfactory sorts for the home and market garden. The plants are early, very productive and of dwarf, compact growth. Fruits are 4 to 6 inches long and 3 to 4 inches thick, tapering, and of a bright ruby-red color. The flesh is thick, sweet and mild. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$4.50.

**Sweet Mountain** (120 days). Similar to Bull Nose but longer. The fruits often grow 6 inches long and 4 inches in diameter, and have a bright red color and a mild, sweet flavor. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$4.50.

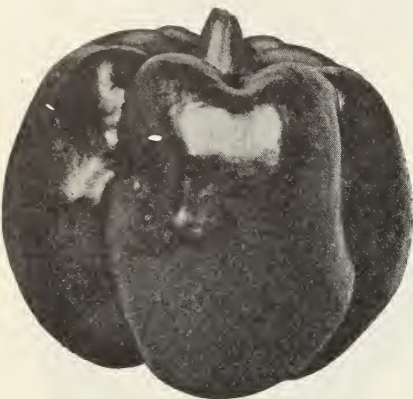
**LONG NARROW CAYENNE** (125 days). A well known medium early variety with a slender, twisted pod about 4 inches long. The color, when young, is a deep green, turning to a bright scarlet when ripe. Flesh extremely hot. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$4.50.

**Red Chili** (145 days). A late maturing variety with bright red pods about two inches long and one-half inch in diameter, tapering to a point at the base, and exceedingly hot. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$4.50.

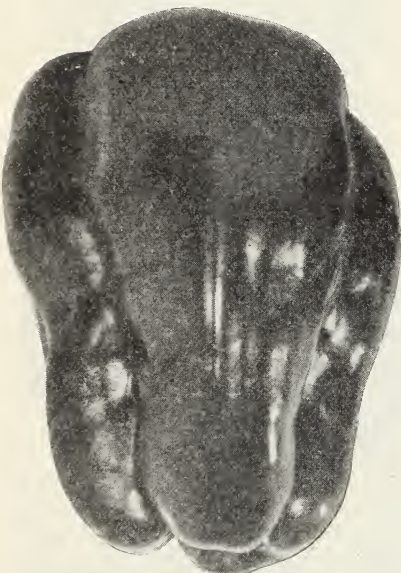
**Pimiento** (130 days). A small heart-shaped variety with thick flesh especially suitable for salad fillings and flavoring. The fruits are medium size, 3½ inches long and 2½ inches in diameter and a brilliant red when ripe. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$4.50.

### SELECT PEPPER PLANTS

Palmer's Special; Bell or Bull Nose; Chinese Giant; Long Narrow Cayenne. 1 doz. for 20c; 50 for 75c; 100 for \$1.25.



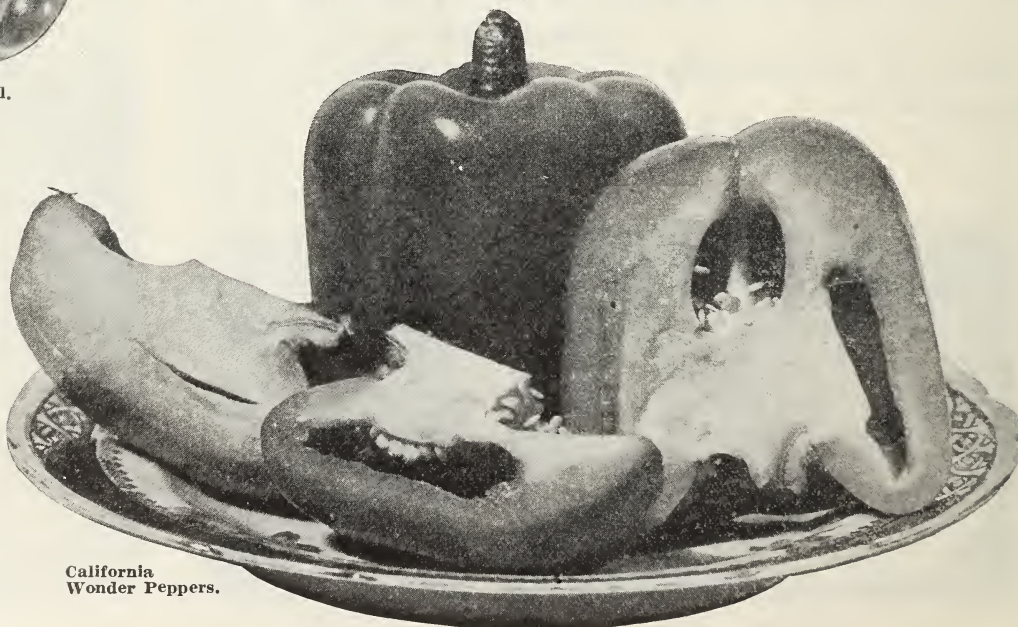
Chinese Giant.



Palmer's Special.



Long Narrow Cayenne.



California Wonder Peppers.



## Garden Peas

One pound will plant 50 feet of row; 2 bushels will plant an acre.

**DIRECTIONS FOR PLANTING.** Peas must have a good rich soil worked deep and thoroughly. Plant early varieties, as soon as ground can be worked, in rows 4 feet apart, covering the Peas 2 inches. For succession sow every two weeks up to August 1st. The wrinkled varieties are more easily damaged by cold, wet weather than the round, hard varieties and therefore should not be planted very early.

### Best Early and Extra Early Peas

**Hundredfold** (50 days). This is decidedly the best Pea of the Laxtonian type ever grown. It is a large-podded, dwarf variety with a flavor so delicious it is just about perfection. Enormous cropper. Dark green pods, fairly broad and pointed, filled with eight large peas. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.25.

**Sutton's Excelsior** (55 days). An improvement of Nott's Excelsior with larger pods and greater productiveness. Vines about 15 to 18 inches high. Pods beautiful light green, averaging 3½ inches long, round, straight, filled with 6 to 8 large peas of the finest flavor. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.00.

**LAXTONIAN** (55 days). An exceptionally fine, giant-podded Pea of dwarf growth, usually about 1½ feet high. Vigorous and very productive. The pods are dark green and measure about 4 inches long, straight and pointed, being filled with 6 to 8 large, luscious peas of fine quality. Matures slightly earlier than Gradus. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.25.

**Nott's Excelsior** (60 days). A strong, vigorous grower and bears for a long time. Height about 1 foot. Foliage stout, heavy, medium green. Pods light green, 3 inches long, and contain six large, light green peas of unusually sweet flavor. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.00.

**Alaska, Extra Early** (45 days). The earliest of all smooth, blue Peas. Exceptionally popular with canners and market gardeners. Grows about 2½ feet tall and produces a big crop of well filled medium size pods. The pods are round, straight and square-ended, and contain six light green peas of fine quality. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$1.75.

### Ameer or Large-Podded Alaska

(45 days). It is a large-podded Pea of the Alaska type, very vigorous and of hardy constitution. Grows about 3 feet high, and produces an enormous yield of large, broad, dark green pods. About one-third larger than Alaska and pods are filled with about 7 large, round, blue peas of best quality. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$1.75.

**FIRST AND BEST** (45 days). Extra early Pea of light color. Vines vigorous and hardy, and produce an abundance of straight pods, 2 to 3 inches long, round and blunt; height 2½ feet. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.00.

**Gradus or Prosperity** (55 days). A fine wrinkled variety. The vines are moderately heavy and produce medium green pods that are straight, round, long, and filled with 6 to 8 large, luscious peas. The vines average 2½ feet high and pods about 4 inches long. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.00.

**Thomas Laxton** (50 days). The vines grow 2½ feet high and moderately heavy. The pods are medium green, about 3½ inches long and contain 7 medium peas of a delicious flavor. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.00.

**American Wonder** (50 days). A wonderful variety to use for the private garden. It is a dwarf variety growing about 8 to 10 inches tall and comes in a few days after Alaska. It produces an abundance of small pods holding 6 to 8 peas of good quality. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.00.

### Best Second Early and Late Peas

**Telephone** (70 days). This late Pea combines vigorous vines, large pods, productiveness and fine quality. The vines are about 4 feet high and produce a big yield of large pods 4½ inches long, filled with 8 large, light green peas; exceptionally tender, sweet and delicious. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.00.

**PRINCE EDWARD** (65 days). One of the best of the large, dark-podded Telephone types, and one of the most productive. Height 4 feet. Vine and foliage stout and heavy, medium green; pods dark green, 4½ in. long, broad and pointed, containing 8 to 9 very large, medium green peas. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.25.

### Edible Pod Peas

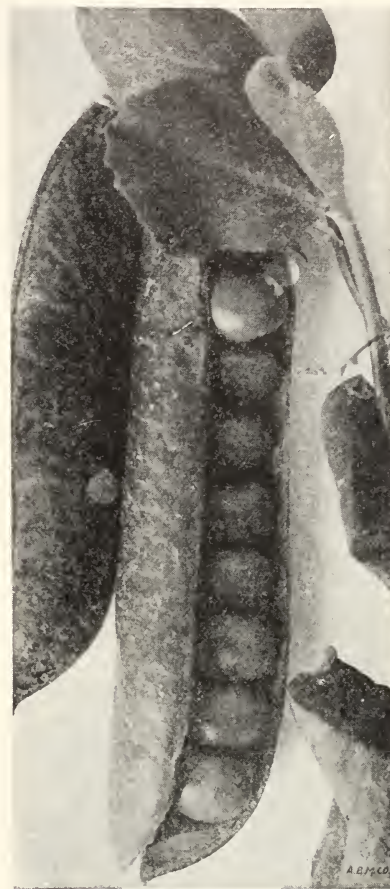
**Tall Melting Sugar** (70 days). Producing very brittle large, broad pods that are very brittle and entirely stringless. Height 3½ feet. The pods are light green; 3½ inches long, broad and pointed and contain 7 light green peas. Seed is smooth and white, matures with Telephone. Pkt., 10c; ½ lb., 20c; lb., 35c; 10 lbs., \$2.50.

**Dwarf Grey Sugar** (55 days). An early edible-pod variety with purple blossoms and producing Peas of a wonderfully delicious taste. Grows 2 feet high. Pkt., 10c; ½ lb., 20c; lb., 35c; 10 lbs., \$2.50.

### Field Peas

**Black-Eyed Field Peas** This is one of the Cow Pea family but is used considerably for table use as shell peas. The peas are white, with a distinct black eye. Lb., 20c; 10 lbs., \$1.50; 25 lbs., \$3.00.

**Canada Field Peas** Used extensively for building up soil. Also sown with oats for green feed. Sown at the rate of 2 bushels per acre. Lb., 20c; 10 lbs., \$1.50; 25 lbs., \$3.00.



Hundredfold.



Thomas Laxton.

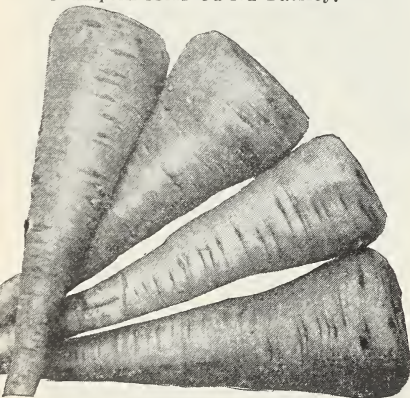


Laxtonian.





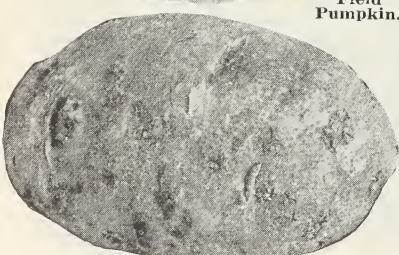
Champion Moss Curled Parsley.



Hollow Crown Parsnip.



Kentucky Field Pumpkin.



Early Ohio.

## Parsley

One ounce will plant 150 feet of row;  
2 to 3 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** Parsley requires a rich, deep, mellow soil. Sow early in the Spring in rows 1 foot apart, covering the seed one-half inch. Thin the plants to stand 3 to 4 inches apart in the row. Be sure to soak the seed for about 12 hours in warm water before planting. The leaves are easily kept for Winter use by drying, powdering and storing in glass jars.

**DOUBLE CURLED** (65 days). A dwarf, compact variety with handsome, mosslike, dark green leaves that are easily curled. A good sort for market gardeners to grow. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**Champion Moss Curled** (65 days). A vigorous growing sort with deep green, attractive foliage that is densely curled. Splendid for either garnishing or flavoring. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**Plain Leaved** (Also known as Italian). (70 days). Grown very extensively for soup bunches. Of dwarf growth and produces dark green flat leaves, deeply cut but not curled, hence, not as attractive as the other kinds. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**Hamburg or Turnip-Rooted** (100 days). The thick, fleshy, parsniplike roots of this variety are used in flavoring soups, stews, etc. Roots may be dug and Winter stored like parsnips. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

## Parsnip

One ounce will plant 200 feet of row;  
5 to 6 pounds per acre.

**DIRECTIONS FOR PLANTING.** Parsnips require a deeply worked soil to mature to perfection. A rich, sandy loam, thoroughly prepared is best, although any deep, moderately rich soil will produce good roots. Sow the seed about April 1st in rows 1 foot apart and cover one-half inch. Thin out to stand 3 or 4 inches apart in the row. Roots

may be dug when frost sets in and stored in a good cellar all Winter.

### HOLLOW CROWN or LARGE SUGAR

(85 days). The roots are long and tapering, averaging 12 inches in length, and have broad shoulders. They have a smooth white skin and the flesh is tender, sugary, and of a marvelous flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

## Pumpkin

One ounce will plant 25 hills; 3 to 4 lbs.  
will plant an acre.

**DIRECTIONS FOR PLANTING.** Plant in a good garden soil when the ground has become warm and dry, usually early in May. Sow the seed in hills 8 to 10 feet apart each way, dropping 8 seeds to a hill. After plants are well advanced thin out to four to a hill. If planted among corn put about three seeds in every third or fourth hill. Never plant Pumpkins close to squash or other vine crops, as they mix.

### KENTUCKY FIELD or LARGE CHEESE

(90 days). A large, round, flat Pumpkin averaging 1½ to 2 feet in diameter. The skin is of a creamy buff color and much ribbed. It has thick orange-yellow flesh of exceptional quality and is a splendid sort for canning and family use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

**King of the Mammoths** (Also known as Jumbo and Pot-iron). (90 days). This is the largest of all Pumpkins, the fruits often weighing as much as 150 pounds, and measuring 2 feet in diameter. Slightly ribbed and with a light orange colored skin. The flesh is bright yellow, very thick, and of good flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 90c.

**Japanese Pie** (90 days). Shaped somewhat like the Cushaw varieties and grows to a large size. The skin is a deep green with dark stripes and the flesh is deep yellow. The Pumpkins mature early and are of splendid quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 90c.

**Connecticut Field** (70 days). The Pumpkins are rather oblong, slightly flattened and often measuring 15 inches in diameter. The reddish orange skin is distinctly ribbed. The flesh is a rich orange-yellow and highly flavored. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**Tennessee Sweet Potato** (90 days). Of medium size and nearly bell-shaped. Neck slightly crooked. The skin is creamy white, sometimes striped with green, and the flesh is pure white and of excellent quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 90c.

**SMALL SUGAR** (65 days). A small, round, flattened variety, slightly ribbed and used mostly in the home garden. The skin and flesh are of a deep orange-yellow, very thick and of delicious flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

## Potatoes

Prices subject to market changes. Write for current quotation.  
(60 pounds per bushel)

One-half peck will plant 100 feet of row;  
8 to 10 bushels will plant an acre.

**EARLY OHIO** 10 lbs., 50c; 30 lbs., \$1.00;  
60 lbs. (1 bu.), \$1.75.

**Bliss Red Triumph** 10 lbs., 50c; 30 lbs.,  
\$1.00; 60 lbs. (1 bu.), \$1.75.

**IRISH COBBLER** 10 lbs., 50c; 30 lbs., \$1.00;  
60 lbs. (1 bu.), \$1.75.

**NEW YORK RURAL** 10 lbs., 50c; 30 lbs.,  
\$1.00; 60 lbs. (1 bu.), \$1.75.

### Fancy Sweet Potatoes

**NANCY HALL** 5 lbs., 30c; peck, 65c; 1 bu.,  
\$2.00.

**Red Bermuda** 5 lbs., 30c; peck, 65c; 1 bu.,  
\$2.00.

**Red Nansemond** 5 lbs., 30c; peck, 65c; 1  
bu., \$2.00.

**Yellow Nansemond** 5 lbs., 30c; peck, 65c;  
1 bu., \$2.00.

### Sweet Potato Plants

50 for 35c; 100 for 65c; 1000 for \$5.50.



## Radish

One ounce will sow 100 feet of row; 5 pounds will plant an acre broadcast;  
3 pounds will plant an acre in rows.

**DIRECTIONS FOR PLANTING.** Radishes must have quick growth to be good, therefore, a rich, well prepared sandy loam is the best soil. Sow the seed in rows as soon as the ground is warm and dry, and thin out so the plants stand about 2 inches apart. For a constant supply, sow at intervals of 10 days. Many gardeners sow the seed broadcast. Winter varieties should be sown in August and thinned to 5 or 6 inches apart.

### Best Early Round Varieties

#### BRILLIANT SPARKLER WHITE TIP

**Special Re-selected Sparkler.** We offer this selection of Sparkler White Tip as the best obtainable anywhere. Our stock is grown from carefully hand-picked, transplanted roots. Very early, small tops, bulbs half red and half white, of beautiful waxy appearance. Will satisfy the most critical market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; 5 lbs., \$2.75; 25 lbs., \$12.50.

**PALMER'S SCARLET GLOBE** (New) (20 days). It is one of the very earliest of the forcing Radishes and does equally well when planted outside. The roots are of nice size, absolutely globe-shaped, and have a very small top. The color is a bright scarlet and the quality always crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50; 25 lbs., \$16.25.

**Early Scarlet Turnip** (20 days). A very early small, round, turnip-shaped Radish of rich scarlet-red color. Small tops, and a rapid grower. The flesh is white, very tender and mild. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 5 lbs., \$2.75.

**Saxa** The earliest of the forcing Radishes and one of the slowest to shoot to seed. Round, bright scarlet, and with the smallest possible top. We have an excellent stock of this radish and can highly recommend it. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50; 25 lbs., \$16.25.

**PHILADELPHIA WHITE BOX** (25 days). One of the best of the white varieties, either for forcing or outdoor culture; more round than turnip-shaped; intermediate in size; always crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**Crimson Giant** (30 days). A round Radish, nearly globe-shaped, and very large and early. Remains in good condition a long time. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**French Breakfast** (20 days). A quick growing variety, oblong in shape, bright rose-scarlet color with a small white tip. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; 5 lbs., \$2.75; 25 lbs., \$12.50.

### Best Early Long Varieties

**White Icicle** (25 days). One of the earliest long white varieties for Spring use. Has a handsome waxy white color and tapers gradually from the shoulders. The roots are usually about 6 inches long and white throughout, have small tops, are of excellent quality and suitable for either forcing or outdoor culture. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; 5 lbs., \$2.75; 25 lbs., \$12.50.

ing or outdoor culture. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; 5 lbs., \$2.75; 25 lbs., \$12.50.

**Long Scarlet Short Top** (30 days). The roots of this variety are about 6 inches long and unusually smooth and uniform. Slender in shape and bright carmine-red color. The tops are short and small. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; 5 lbs., \$2.75; 25 lbs., \$12.50.

### Best Summer Varieties

**ST. LOUIS WHITE SUMMER** (40 days). Market gardeners in the St. Louis district plant enormous quantities of this Radish. It is of oblong shape, tapers to a point, and is very attractive. The flesh is pure white, almost transparent, exceptionally tender and of a delightful pungent taste. Has a shorter top and grows more above the ground than Strasburg. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; 5 lbs., \$2.75; 25 lbs., \$12.50.

**White Strasburg** (40 days). Market Gardeners' Special. Handsome roots 5 inches long, 2 inches in diameter, tapering to a point. Both the skin and flesh are pure white and unusually brittle and firm, remaining in good condition longer than most varieties. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; 5 lbs., \$2.75; 25 lbs., \$12.50.

**Chartier** (Also known as Long Rose and Shepherd). (35 days). Beautiful long roots of crimson color at the top and fading to pure white at the tip. The roots average 7 to 8 inches in length, rather thick and somewhat later in maturing than other long scarlet varieties. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

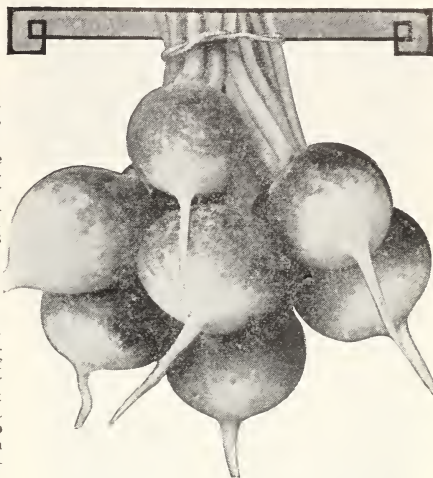
**White Munich** (Also known as Bear Radish). Makes an attractive white, oval-shaped Radish of large size. The flesh is crisp, juicy and mild. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

### Best Winter Varieties

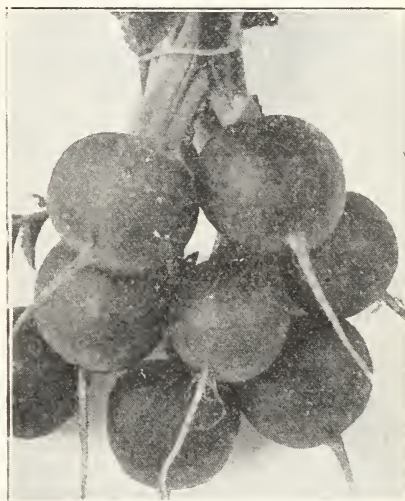
**China Rose Winter** (Also known as Scarlet China). (60 days). One of the very best Winter sorts, with cylindrical roots 4 to 5 inches long and 2 inches thick. The roots are largest near the bottom and blunt at both ends. The skin is bright rose color and the flesh pure white, crisp, tender and of a pungent flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**Long Black Spanish** (70 days). One of the latest and hardest sorts for Winter use. The roots grow 8 to 9 inches long and 2 to 3 inches in diameter. The skin is black and the flesh pure white. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**Round Black Spanish** (70 days). Similar to the Long Black Spanish except in shape. The roots are round, slightly top-shaped, 3 to 4 inches in diameter, 3 inches long, and of a more pungent flavor than the Long Black Spanish. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.



Brilliant Sparkler White Tip Radishes.



Palmer's Scarlet Globe Radishes.

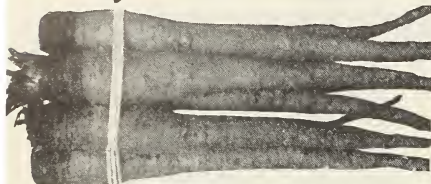


White Icicle.

## Semesan Bel

**Treat Your Potato Seed with Semesan Bel, America's Premier Potato Disinfectant.** Semesan Bel is the successful result of a deliberate determination by Du Pont agricultural chemists to produce a thoroughly effective, practical and economical disinfectant for seed potatoes. Of as great importance as its splendid disease-control properties, is its remarkable effect upon improving both the quality and quantity of crop yields. Write for descriptive booklet. 4 ozs., 50c; 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$37.50; 100 lbs., \$140.00.

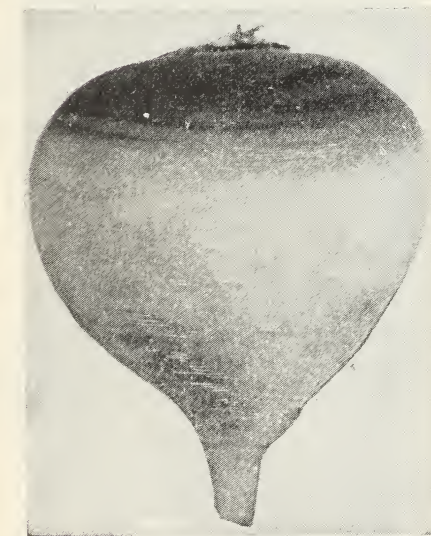




Mammoth Sandwich Island Salsify.



Dark Green Swiss Chard.



Improved American Purple Top Rutabaga.



Victoria Rhubarb.

## Salsify or Oyster Plant

When properly cooked, it is a substitute for oysters and is very nutritious. A most palatable vegetable. Sow early in rows 1½ feet apart and cover firmly one inch deep; thin to 3 in. apart in the rows. Salsify may remain in the ground through the winter. The roots are perfectly hardy; in fact they are best after the frost has touched them. One ounce of seed will sow 50 ft. of drill; 8 lbs. will plant an acre.

**Mammoth Sandwich Island** This splendid variety will average nearly twice the size of other sorts. Grows very uniformly; mild and delicious in flavor. A popular sort with all growers. Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.00; 5 lbs., \$9.50.

## Swiss Chard

One ounce will sow 100 feet of row.

**DIRECTIONS FOR PLANTING.** Sow as early in the Spring as the ground can be worked, in rows one foot apart, covering the seed with one inch of earth. When the plants are advanced, thin out so they stand 6 inches apart in the row. Used as a substitute for spinach during the hot Summer weather, the leaves being cooked in the same manner. The plants will yield continuously from July to Winter, starting new growth after each cutting.

**DARK GREEN WHITE RIBBED** The variety we offer is hardy and productive, with broad green leaves that are heavily crumpled. It has large, white midribs of excellent quality, which are prepared and served like asparagus. Grows about 2½ feet high. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

## Rutabaga or Swedish Turnip

One ounce will plant 200 feet of row; 4 lbs. will plant an acre broadcast; 2 lbs. will plant an acre in rows.

**DIRECTIONS FOR PLANTING.** Sow the seed during July in rows 2 to 2½ feet apart and cover firmly with one-half inch of soil. When the plants are sufficiently advanced, thin out to stand 4 to 5 inches apart in the row. Cultivate regularly. In the Fall, before severe freezing sets in, pull the roots and cut off the tops. They may then be stored in a cool cellar for Winter keeping. By covering them with sand their freshness may be retained.

**Improved American Purple Top** (95 days). A hardy productive variety with a small neck; roots are large, oblong or globular in form, with a very small tap root; color bright yellow, with a purple top; flesh very solid, tender and sweet. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.75.

## Rhubarb Seed

Requires a deeply cultivated and thoroughly manured soil. Sow the seed early in the Spring in rows one foot apart. The second year after planting plants can be removed in the autumn to the permanent place in the garden allotted to them. Plant the roots 2 feet apart each way. One ounce of seed will produce five hundred plants.

**Victoria** In general use for market and home garden. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

## Select Rhubarb Roots

We can supply choice 2-year-old roots of Myatt's Victoria. If planted early in the Spring they will make a strong growth and yield stalks for the table the same season. 20c each; \$1.50 per doz.; \$10.00 per 100.



New Zealand Spinach.



Re-selected Bloomsdale Spinach.



Flanders Broad Leaf Spinach.



## Imported Spinach

One ounce will plant 50 feet of row; 25 pounds will plant an acre broadcast;  
15 pounds will plant an acre in rows.

**DIRECTIONS FOR PLANTING.** Spinach grows well in either Spring or Fall and especially during cool, moist weather. It thrives in a well cultivated, rich soil. Sow the seed very early in the Spring and at intervals until June 1st for succession. For Fall crop sow from August 15th to October 5th. If planted in rows, make the rows 1 foot apart.

**Princess Juliana** (45 days). A good variety for sowing in late Spring. In form it is a dense, compact rosette and the leaves are large, rounded and thick in texture. They are exceptionally blistered and crumpled and of an intense dark green color. It is noted for its slowness to go to seed and its ability to hold up well in shipping. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 35c; 10 lbs., \$2.50.

### RE-SELECTED BLOOMSDALE SAVOY

(40 days). This wonderful Spinach is used more than any other variety, and is especially a favorite among market growers because of its fine appearance, hardness and all around good quality. It is a very early sort and the best for Fall planting. However, if planted early in the Spring it produces excellent Spinach. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 35c; 10 lbs., \$2.00.

### New Zealand Spinach

Also Known as "Everlasting Spinach."

(55 days). This is a different plant and entirely distinct from the regular Spinach, but the color, shape and taste of the leaf is remarkably similar. The plant is of tall branching growth with numerous side shoots. Leaves medium green and rather small and pointed. Will resist heat and adverse conditions and supply plenty of green leaves

through the Summer and Fall. The seed is planted in rows 3 feet apart, dropping the seeds every 4 or 5 inches. May be planted in hills 2 feet apart each way, 3 or 4 seeds to a hill. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**Round Thick Leaved** Excellent for wintering over. Produces large, thick, dark green leaves, smooth but slightly wrinkled. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 35c; 10 lbs., \$2.25.

**Flanders Broad Leaf** (35 days). The best plain-leaved Spinach on the market. An early, vigorous growing sort with bright green, broad, thick leaves. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 35c; 10 lbs., \$2.00.

**New Long Standing Savoy** A new strain of exceptional merit. Very similar to Re-selected Bloomsdale but will stand from 10 to 14 days longer during hot weather. This variety should be planted in preference to Bloomsdale during late Spring where danger of running into hot weather is apparent. Leaves crumpled and blistered and of uniform deep green color. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 35c; 10 lbs., \$2.25.

**Bloomsdale Blight Resisting** A blight resistant strain of the Savoy leaved Spinach developed at the Virginia Experiment Station, making it now possible to grow Spinach successfully on infected soil. A fairly early seeder. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 35c; 10 lbs., \$2.25.

**King of Denmark** Forms compact bushes of thick, dark green, crumpled leaves. Leaves are extra large, broad and rounded. Slow seeder. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 35c; 10 lbs., \$2.00.

## Squash

One ounce will plant 25 hills; 3 to 4 pounds will plant an acre.

**DIRECTIONS FOR PLANTING.** Squash succeeds best in a good, rich soil with a shovelful of well-rotted manure placed in each hill. Make the hills 4 feet apart each way, thinning out to about 3 good plants per hill. Winter varieties are planted 6 to 8 feet apart, using 1 ounce to 15 hills; 2 pounds per acre.

### Summer Varieties

#### EARLY WHITE BUSH SCALLOPED

(Also known as Patty Pan). (50 days). The leading early Summer Squash. It is of medium size, flattened and scalloped. It is creamy white in color and comparatively smooth on the surface; flesh greenish white. Of true bush form; very prolific and the fruits measure 6 to 8 inches in diameter. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

**Yellow Bush Scalloped** (50 days). Quite similar to the White Bush except in color, which is a deep orange-yellow. Often referred to as "Yellow Patty Pan." Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

**Golden Summer Crookneck** (55 days). An early productive Summer variety, growing about one foot long, moderately warted, and of bright yellow color. The flesh is salmon-orange and of a delicious flavor. A bush variety. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

**Italian Coozelle Bush** (Also known as Italian Vegetable Marrow). (55 days). A Summer variety of bush habit. The fruits grow 12 to 16 inches

long, 5 inches in diameter and are of a dark green color, marbled with yellow and dark green stripes. The flesh is exceptionally tender and fine flavored. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

### Best Winter Varieties

**IMPROVED HUBBARD** (100 days). This excellent olive-shaped Squash is large and moderately warted, with a dark bronze-green skin and bright orange-yellow flesh. The flesh is fine grained, thick and of a most delicious flavor. Sweet and dry. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

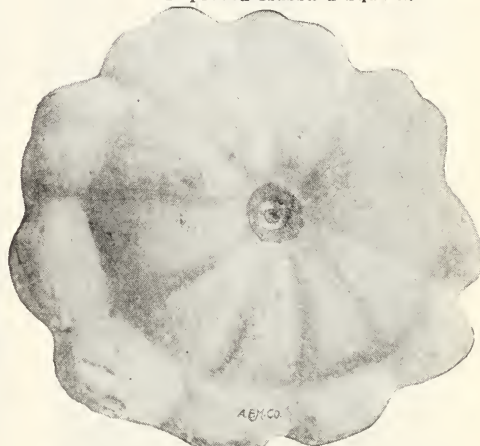
**Table Queen** A small, dark green, acorn-shaped, sharply ribbed variety which matures nearly as early as the Summer Squashes. Fruits just the right size to serve in halves and of good quality for baking. The vines are trailing and very productive. Pkt., 10c; ¼ lb., 35c; lb., \$1.00.

**Straightneck, Golden Summer** A selection from the Crookneck squash but with a straight rather than a crooked neck, and thus being more easily packed for shipment. Fruits intensely warted, 18 to 20 inches long, deep orange in color with a thick, meaty neck. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

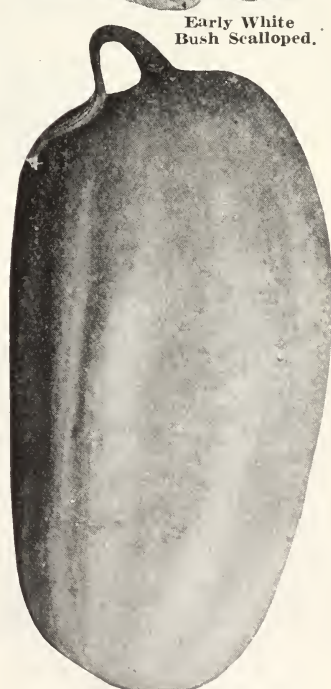
**Hubbard, Blue** A new type of Hubbard squash and said to excel all in the superior quality of its flesh. Form and habit of growth similar to the original Hubbard, but differing in having an extremely hard, blue-gray shell. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.



Improved Hubbard Squash.



Early White Bush Scalloped.



Italian Coozelle Bush Squash.



## Fancy Tomato Seed

One ounce will produce 1000 plants; 5000 plants will plant an acre.

**DIRECTIONS FOR PLANTING.** Sow the seed in hotbeds from the middle of February to the last of April in rows 5 inches apart and one-half inch deep or broadcast. When about 4 inches high, transplant into boxes, placing the plants about 4 inches apart. About May 15th they may be set out in the garden 2 feet apart, in rows 4 feet apart.

### Best Early Varieties

#### SELECTED LIVINGSTON'S GLOBE

(95 days). The most popular shipping Tomato known and a favorite for home gardens. It is the best early purple variety in existence. The Tomatoes are large, always smooth, and have a very firm flesh with few seeds. The color is a purplish pink, without the slightest trace of yellow when ripe. The quality is mild, delicious and hard to beat. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**Cooper's Special** (95 days). A so-called self-topper Tomato. It is a globe-shaped sort similar in color and appearance to Livingston's Globe, but not quite as large. The plants are short and of vigorous growing habit. A big yielder and excellent for shipping and canning. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**BONNY BEST** (88 days). A splendid selection from Chalk's Early Jewel, but maturing about a week earlier. The Tomatoes are of medium size, uniformly smooth and solid, and have a rich bright scarlet color from stem to blossom end. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**Super Bonny Best** Special hand-selected seed. Pkt., 25c; oz., \$4.00.

**Gulf State Market** (95 days). The fruits are of medium size, purple colored and ripen about the same time as Livingston's Globe. The Tomatoes are smooth and attractive, free of cracks, and the flesh is exceptionally solid and juicy. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**Earliana** (Sparks'). (85 days). An extremely early and prolific variety that is ready for the market several days ahead of any other variety. The Tomatoes are medium size, smooth, deep red color. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**Yellow Plum** (95 days). Bright yellow, small Tomatoes, the size and shape of a plum. Used for preserving. Pkt., 10c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.

**Yellow Pear** (95 days). A handsome small Tomato of delicious quality used for preserving, salads, and in making marmalade. They are similar to Yellow Plum, but more pear-shaped and have a distinct neck. Pkt., 10c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.

**John Baer** (Special Strain). (85 days). An early attractive Tomato yielding a big crop of rich, scarlet-red fruits. It is most valuable because of its extreme earliness, good size, solid flesh and heavy yield. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.

**June Pink** (85 days). A purple-pink fruited variety maturing about the same time as Earliana. Tomatoes smooth, slightly flattened and of medium size. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

### Best Second Early and Late Varieties

**MARGLOBE** (100 days). The best general purpose Tomato recently introduced; particularly valuable for shipping; definite disease resistance; best for use in sections infested with Fusarium wilt and nail head rust. Plants thrifty and heavily productive; long bearing period. Fruits uniform and deep scarlet; large, globe-shaped, smooth, solid and of distinct quality. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

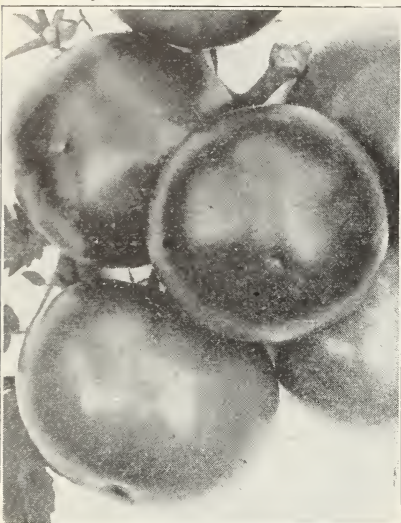
**Livingston's Beauty** (110 days). A very productive main crop variety with large, smooth, solid, purplish pink fruit. The plants make a strong growth and bear abundantly. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

**Stone** (110 days). A standard and general favorite with truckers and canners; always dependable; very vigorous and productive; fruits round, large, solid, smooth, and deep red in color. Our selected stock of Stone is much above the average. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

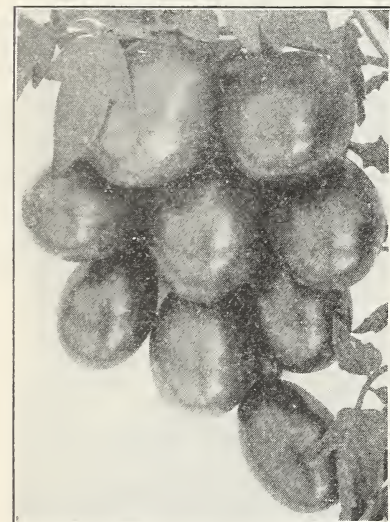
**Red Rock** (115 days). A large size, bright red, solid and smooth-skinned Tomato of excellent shape and superior texture and flavor. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

**Ponderosa** (Also known as Beefsteak). (110 days). The largest Tomato in cultivation, frequently weighing more than 2 pounds each. The fruits are a beautiful dark crimson color, uniformly smooth and astonishingly solid for their immense size. Pkt., 10c; oz., 50c; ¼ lb., \$1.75; lb., \$6.00.

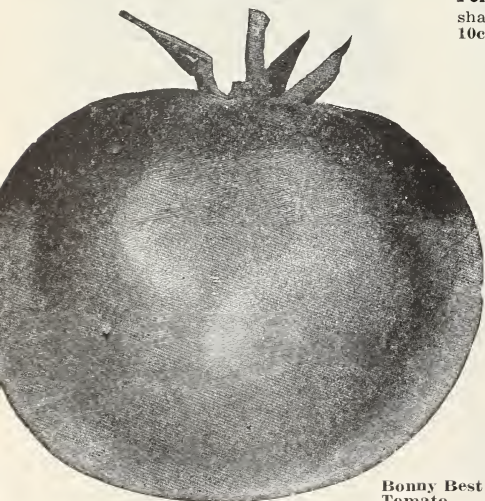
**Early Detroit** An early medium size variety with smooth, purple fruit. The vines are vigorous and very productive. Excellent shipper. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.



Marglobe.



Yellow Plum Tomato.



Bonny Best Tomato.



Selected Livingston's Globe Tomatoes.



**TOMATOES—Continued.**

**Norton's Wilt Resistant** Pkt., 10c; oz., 50c; ¼ lb., \$1.75; lb., \$6.00.

**White's Excelsior** (110 days). A popular main crop variety producing large purple fruits that are heavy, solid and evenly colored. Has good shipping qualities but seems more easily affected by blight than some of the other varieties. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

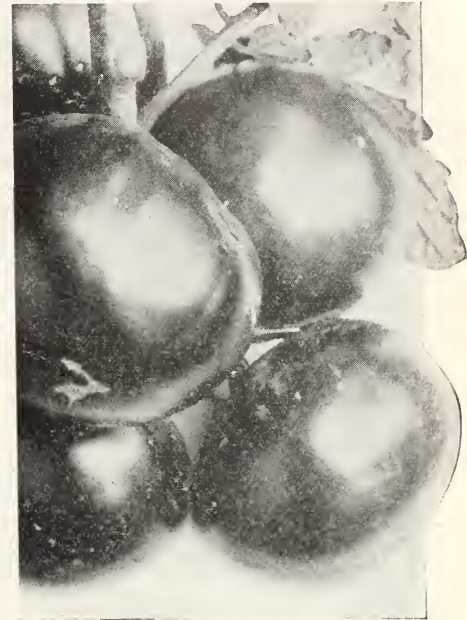
**Trucker's Favorite** (110 days). A purple-fruited Tomato of excellent quality. The fruits are large, somewhat flattened, invariably smooth, and the flesh is of the finest texture and quality. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**Dwarf Stone** The best of the dwarf tomatoes; fruits large, smooth, round, very solid and of a deep scarlet color. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

## Choice Tomato Plants

**Ponderosa.** **Marglobe.**  
**Stone.** and  
**Livingston's Globe.** **Livingston's Beauty.**

1 dozen for 20c; 50 for 75c;  
100 for \$1.25.



Dwarf Stone Tomato.

## Tested Turnips

One ounce will sow 150 feet of row; 2 lbs. will plant an acre broadcast, 1 lb. in rows.

**DIRECTIONS FOR PLANTING.** For early Turnips sow the seed early in the spring in rows 18 inches apart; thin out seedlings to 3 to 4 inches apart. For succession sow every two weeks until the middle of May. Fall crops sown during July and August. Most gardeners sow Turnips broadcast.

**PURPLE TOP WHITE GLOBE** Selected Imported Strain. Also known as Red Top White Globe. The strain we offer is truly superior to the average stock of Purple Top White Globe. The roots are large, purple or dark red above ground, white below, and when in best condition for the table, are about 3 inches in diameter, but can be grown much larger. Flesh white, fine-grained and tender. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.50.

### EXTRA EARLY PURPLE TOP MILAN

(45 days). The earliest of all Turnips. Has medium sized bulbs, very much flattened, smooth skin and crisp, white flesh of fine quality. The upper portion of the Turnip is reddish purple and the lower portion is pure white. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

**Large White Globe** Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

**Japanese Louse Proof** An exceptional variety of recent introduction. All white, large, globe-shaped, heavy top, and unusually sweet and tender. One of the outstanding characteristics of this Turnip is that lice will not destroy the foliage. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**White Egg** Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

**Purple Top Strap Leaf** (55 days). The roots of this early variety are quite flat, the upper portion purplish red and the lower portion white. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.75.

**Seven Top or Winter Greens** (30 days). This variety does not produce edible roots, but is grown extensively for the leaves which are cooked and eaten as "greens." They make a tasty addition to the diet when prepared like spinach, and are considered one of the most delicious greens in existence. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c; 5 lbs., \$2.25.

**Yellow Globe** Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.



White Globe Turnip.

## Tobacco Seed

One ounce will produce plants for an acre.

**DIRECTIONS FOR PLANTING.** Start the plants early in frames or seed bed, using well enriched soil. When weather has become warm and settled, transplant to the open ground in rows 4 feet apart, allowing about 3 feet between each plant. Cultivate like corn.

**Missouri Broad Leaf** Good to use in the northern part of the Cotton Belt. A good yielder. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**Havana** Large, long, fine quality leaf; matures early; fine for cigars. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**White Burley** Heavy yielder and good quality. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.



Missouri Broad Leaf Tobacco.



Purple Top White Globe Turnip.



## Palmer's Gladiolus

The Gladiolus is one of the easiest flowers to grow—for, once planted, the only attention required is to keep the bed free from weeds. To have a continuous supply of these charming flowers throughout the summer, several plantings should be made commencing the first week in May, and then at intervals of three weeks until July 15th. Plant the bulbs 4 inches deep and 6 inches apart. If fed with a weak solution of liquid fertilizer when flowers are in bud, the blossoms will be larger and better.

### Recent Introductions of Exceptional Merit

**GIANT NYMPH.** Light rose-pink, with creamy yellow throat. The flowers are very large and wide open, well arranged on strong stems of great length. 50c per doz.; \$3.50 per 100.

**LOS ANGELES.** A beautiful shrimp-pink with glowing orange-carmine in throat. Very tall and erect, most bulbs

throwing two flowers. 70c per doz.; \$4.50 per 100.

**MINUET.** Beautiful shade of lavender. 15c each; \$1.50 per doz.

**MR. W. H. PHIPPS.** Called the "Wonder Gladiolus." Beautiful, iridescent pink. A marvelous grower, frequently displaying from 14 to 20 blossoms at one time. 90c per doz.; \$6.00 per 100.

### General List of Superb Modern Gladioli

**ANNA EBERIUS.** Rhodamine-purple with deep amaranth-purple blotch. 70c per doz.; \$4.50 per 100.

**BEST VIOLET.** Violet-blue. 90c per doz.; \$6.00 per 100.

**CRIMSON GLOW.** Deep scarlet-red with deeper shading in center. Flowers are well arranged on tall, straight spikes. 60c per doz.; \$4.00 per 100.

**DR. F. E. BENNETT.** New. Delightful peach-red, overlaid with flame-scarlet; throat speckled ruby and creamy white. Flowers of great substance, very sturdy. \$1.00 per doz.; \$7.50 per 100.

**E. J. SHAYLOR.** Pure deep pink, ruffled edge. 60c per doz.; \$4.00 per 100.

**GOLDEN MEASURE.** Pure golden yellow. Tall, straight spikes of great substance. 85c per doz.; \$5.50 per 100.

**HALLEY.** Salmon-red. An old favorite. 40c per doz.; \$3.00 per 100.

**HERADA.** Mauve shading to pink at the throat. A very attractive and unusual color. 50c per doz.; \$3.50 per 100.

**L'IMMACULEE.** Pure waxy white, many flowers open at a time. Fine for cutting. 60c per doz.; \$4.00 per 100.

**MRS. DR. NORTON.** La France pink, shading to pale pink throat. Creamy blotches in throat on lower petals. 70c per doz.; \$4.50 per 100.

**MRS. FRANCIS KING.** Flame-red with lighter throat. Very tall, straight spike of strong substance. An old favorite. 40c per doz.; \$3.00 per 100.

**MRS. FRANK PENDLETON.** Large, rose-pink with bright rose-red blotch on lower petals. A very fine cutting variety. 40c per doz.; \$3.00 per 100.

**PERSIA.** Glossy deep velvety maroon. 90c per doz.; \$6.00 per 100.

**ROSE ASH.** Corinthian-red, shading into ashes-of-roses. 75c per doz.; \$5.00 per 100.

**VIRGINIA.** Intense scarlet, deeper in throat. 50c per doz.; \$3.50 per 100.

### Primulinus Gladioli

This dainty type blooms earlier than the other Gladioli. The hooded flowers are gracefully spaced on long, slender stems, and the colors range from sulphur-yellow to chrome-yellow, through all shades of orange-salmon and cream to pink. Very desirable for cutting.

**ALICE TIPLADY.** Probably the best known of this type. Iridescent, soft coppery orange. A truly wonderful color. 40c per doz.; \$3.00 per 100.

**SOUVENIR.** Pure rich golden yellow. 50c per doz.; \$3.50 per 100.

**ORANGE QUEEN.** (New). A true pure apricot of very warm shade, forming large open flowers. 90c per doz.; \$6.00 per 100.

**ORCHID GLADIOLI MIXED.** Contains all colors known to this charming class of Gladioli, the desirable salmon, orange and yellow shades predominating. Doz., 50c; 100, \$3.50; 1000, \$30.00.

### Exhibition Mixture of Gladioli

Finest Gladiolus mixture obtainable. Extra large bulbs in an endless variety of color. Doz., 30c; \$2.25 per 100; \$20.00 per 1000.

Mr. W. H. Phipps.

## Water Lilies and Aquatics

(ROOTS)

These magnificent flowers can be grown with the utmost ease in your pool. Our plants are raised for us by the foremost Water Lily specialist in the country. No plants shipped C. O. D.

**Culture.** Hardy Water Lilies should be planted at the end of April or beginning of May. They are best grown in small cedar tubs (see page 58), about 1 foot deep. Place a layer of well-rotted barnyard manure at the bottom of the tub, and fill to 2 inches from top, with a mixture of 3 parts top soil, 1 part well-rotted manure and a small quantity of bone meal. The root should be planted very near the surface. Fill up to 1 inch from the top of the tub with sand or small pebbles, to keep the soil from discoloring the water. The top of the tub should be from 6 to 12 inches below the surface of the water.

### Hardy Water Lilies or Nymphaeas

	Each	Each
MARLIAC. White .....	\$1.25	ODORATA. Common White Water Lily. \$0.50
MARLIAC. Flesh-pink .....	1.25	TENDER NYMPHAEA, Blue Beauty.
MARLIAC. Yellow .....	2.00	(Plant end of May). Beautiful blue
MARLIAC. Rose-pink .....	2.00	shade .....

### Other Water Plants

**WATER HYACINTHS** (*Eichornia crassipes* major). Float on top of water. Sprays of lavender flowers. Each, 25c; doz., \$2.50.

**WILD RICE** (*Zizania aquatica*). Graceful panicles of white flowers on stems 5 to 8 feet tall. Should be grown in shallow water. \$1.50 per doz.

**PICKEREL WEED** (*Pontederia cordata*). Spikes of blue flowers. Plant grows 2 feet tall. \$2.50 per doz.

**WILD RICE SEED.** For sowing along lakes and streams to attract birds. Lb., \$1.00; 5 lbs., \$4.50; 100 lbs., \$75.00.





## Dahlias

The following list is a selection of the finest varieties, varieties that we are sure will do well around St. Louis.

We supply only large, healthy tubers, each tuber having several eyes.

**Cultural Directions.** Dahlias like an open sunny position with plenty of air circulation. Prepare the soil to a depth of 1½ feet. If heavy, the soil should be lightened with sand, humus or ashes. Use very little fertilizer in planting. Drive the stakes and lay the tubers about six inches deep and horizontally, with the eyes slightly elevated. From the first to the fifteenth of June is about the best planting time. As soon as the plant has three or four leaves, nip out the top to make the side shoots branch out. For large size flowers remove all but the most perfect bud on the stem. Until the plants come into bud use the hose and spare the hoe, and then reverse the practice. Fertilizer may be used in moderation, watering the plants freely.

C. denotes Cactus Type. H.C. denotes Hybrid Cactus Type.

### Cactus and Hybrid Cactus Dahlias

The Cactus Dahlia is like a Chrysanthemum in formation. The petals are long, narrow, pointed and twisted. The Hybrid Cactus has a large bold flower with broader petals.

**JEAN CHAZOT.** H.C. Color is a delightful golden bronze, slightly suffused with nasturtium-red. Each, 50c.

**DADDY BUTLER.** H.C. Rosy carmine, reverse of petals lighter. Each, 75c.

**AMBASSADOR.** Soft yellow-buff, shaded with salmon-pink. Each, 75c.

**EDNA FERBER.** One of the finest and most beautiful Dahlias. Glistening coral shading to old gold at the base. Immense flower. Each, \$2.00.

**ETENDARD DE LYON.** H.C. Rich reddish purple. Each, 50c.

**F. W. FELLOWS.** Orange-flame color. Fine petaled. English Cactus type. Each, 75c.

**GEORGE WALTERS.** H.C. A rich coppery old gold, tinting to buff at the center. Each, 50c.

**PERLE DE LYON.** C. A pure white of special merit. Each, 50c.

**BRIDE'S BOUQUET.** C. A pure white. Profuse bloomer. Each, 35c.

### Decorative Dahlias

The leading type in Dahlias. The flower is very large and double to the center, with broad, flat, incurved and reflexed petals.

**JUDGE ALTON B. PARKER.** One of the high class varieties. The color is a beautiful golden buff. Each, 75c.

**AZALEA.** A delicate creamy yellow, outer petals tinged pink. Each, 75c.

**DELICE.** A bright luminous pink, very distinct. Each, 35c.

**GRACE.** A new variety of exceptional merit. Strong stem and unusual substance. White, faintly flushed with delicate lavender-pink; strong bloomer. Each, \$1.00.

**DR. TEVIS.** A lovely shade of salmon-rose, suffused with old gold shading to apricot. Each, 50c.

**ELLINOR VANDERVEER.** A very large flower of a beautiful satiny rose-pink. A wonderful Dahlia. Each, 75c.

**BARBARA REDFERN.** Gold, overlaid with blends of copper and old rose. Deep flowers. Strong stems. Each, \$1.25.

**KATHLEEN NORRIS.** Enormous flowers; pure rose-pink. See illustration. Each, \$4.00.

**JANE COWL.** One of the finest prize winning Dahlias to date. Massive in form, with petals curled and twisted. A glistening bronzy buff and old gold blending to a deeper shade towards the center, reverse of the petals a pale flesh color. Each, \$1.75.

**JERSEY'S BEAUTY.** A perfect bloom of salmon-rose-pink, carried on long, wiry stems high above the foliage. A beauty, indeed. Each, 50c.

**JERSEY'S BEACON.** A rich Chinese scarlet with a paler reverse, giving a two-tone effect. Each, 75c.

**MINA BURGLE.** Color rich cardinal-red. Called the world's best red. Each, 35c.

**MRS. CARL SALBACH.** A large flower of lavender-pink with lighter tints towards the base of the petals. Each, 50c.

**MRS. I. DE VER WARNER.** A glowing shade of mauve-pink. Each, 50c.

**PRIDE OF CALIFORNIA.** Cardinal-red, shaded darker at the center. Each, 50c.

**ROSE FALLON.** A variety that should be included in every collection. A beautiful deep old gold of the finest type. Each, \$1.50.

**SAGAMORE.** Golden amber, shaded with orange-buff; an excellent variety. Each, 50c.



This Bloom of Kathleen Norris Dahlia Won the Palmer Seed Company Trophy for Mr. E. H. Johanning, 458 Sherwood Drive, Webster Groves, Mo. Fall Dahlia Show, 1931, St. Louis Horticultural Society.

### Double Show or Ball Dahlias

The flowers are round, symmetrical, and perfectly formed, the petals being regular, cupped or quilled and usually full to the center. Free, continuous and early bloomers.

**GRAND EXHIBITION.** Light rose base shaded to deep purple. Very attractive. Each, 35c.

**MAUDE ADAMS.** A clear shell-pink. Each, 50c.

**FLORAL PARK JEWEL** (Burleigh). Perfect ball, red and white tipped. Each, 35c.

**BLACKY.** Almost black in coloring. A worthy variety in its class. Each, 35c.

**YELLOW PRINCE.** A typical show variety of clear yellow. Each, 25c.

### Pompon Dahlias

Tiny compact growers, do not require budding. Very attractive.

**AMBER QUEEN.** Golden amber. Each, 35c.

**SUNSET GLOW.** Orange and sunset red. Each, 25c.

**PRINCE CHARMING.** A charming flower with a white base, heavy purple edging. Each, 35c.

**PURE LOVE.** Deep lavender, perfectly quilled petals. Each, 50c.

**DARKEST OF ALL.** A deep maroon. A tall grower. Each, 35c.

**TOMMY KEITH.** A perfectly formed flower of deep red, tipped white. Each, 50c.

### Dahlia Special

This is a special mixture made up for us from named varieties, many of which sell for 50c and \$1.00 each. Strong divisions, specially priced at:

Each, 10c.      \$1.00 per 12.      \$7.00 per 100.



## Orchid or Large-Flowering Dwarf Cannas

Dormant Cannas should be started in the frame during March and April, setting the plants out in late May, 18 inches apart. Roots may also be started outdoors early in May. GET OUR SPECIAL LOW PRICES ON QUANTITY ORDERS.



Cannas are Effective Planted in Mass Beds.

### Green Foliage Cannas

#### PINK

**CITY OF PORTLAND.** Flowers are very large and a beautiful shade of bright pink. Height 3½ feet. 15c each; \$1.20 per doz.

**VENUS.** The color, a bright rose-pink, is intensified by a border of creamy yellow. Height 4 feet. 10c each; 85c per doz.

**YELLOW KING HUMBERT.** Large, golden yellow, spotted with red. Height 4½ feet. 10c each; \$1.00 per doz.

**CANARY BIRD.** Pure canary-yellow flowers with healthy foliage. Similar in habit of growth to that of The President. Height 4 feet. 10c each; \$1.00 per doz.

**KARL MERCK.** Fine large flowers of a rich yellow, tinged orange, with flecks of pink becoming red in the throat. Height 4 feet. 10c each; 85c per doz.

#### RED

**CRIMSON BEDDER.** The color is an intense crimson. Wonderful bedder. Height 3½ feet. 10c each; 85c per doz.

**THE PRESIDENT.** Color rich glowing scarlet, immense flowers, borne on strong, erect stems. Height 4 feet. 10c each; \$1.00 per doz.

#### WHITE

**EUREKA.** Vigorous grower, producing large flowers very freely. Height 4 feet. 10c each; \$1.00 per doz.

### Bronze-Foliage Cannas

#### PINK

**SHENANDOAH.** Lovely salmon-pink borne in large clusters. The foliage is a delightful rich ruby-red. Height 4 feet. 10c each; 85c per doz.

**WABASH.** A very lovely shade of pink, giving a pleasing effect in combination with its foliage. Height 4 feet. 20c each; \$2.00 per doz.

#### RED

**KING HUMBERT.** Immense trusses of brilliant orange-scarlet, held erect above the large, purple-bronze leaves. The combination of leaf and blossom is very beautiful. Height 4 feet. 10c each; \$1.00 per doz.

**AMBASSADOR.** A lovely cherry-red of massive size. Very vigorous. Foliage and stalks bronze. Height 4 feet. 10c each; \$1.00 per doz.

#### ORANGE

**WYOMING.** True orchid-flowered variety, with magnificent orange colored flowers. Purple foliage. Height 5 feet. 10c each; 75c per doz.

### Canna Bargain

#### SELECT ROOTS—TRUE COLORS

Red	White	Pink	Yellow
5c each.			50c per doz.

### Tuberoses

Spikes of delightfully scented, waxy white flowers. Plant in the garden in May in rich soil and a sunny position and they will bloom in September. For early bloom, start bulbs in the hotbed in March or April.

**DWARF DOUBLE PEARL.** The popular dwarf variety. Selected bulbs, 3 for 25c; 75c per doz.

**MEXICAN SINGLE EVERBLOOMING.** This fragrant variety blooms all summer long from bulbs planted in May. They commence to bloom eight weeks after planting. The tall flower spike carries a great number of the dainty, single white flowers which last well in water when cut. 3 for 20c; 60c per doz.

### Elephant's Ear

(*Caladium Esculentum*)

Excellent to give your lawn a tropical effect with their wide spreading leaves. Plant early in May. Give them rich soil and a generous supply of water and they will grow to a height of from 5 to 7 feet, carrying immense green leaves 3 to 4 feet long and 1½ to 2½ feet across. Monster bulbs, 30c each; \$3.00 per doz. Large bulbs, 20c each; \$2.00 per doz. Medium bulbs, 10c each; \$1.00 per doz.

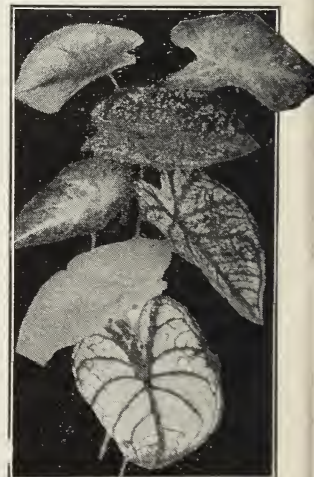
### Fancy Leaved or Imperial Caladiums

Wonderfully decorative for the rock garden or a semi-shaded border. The heart-shaped leaves come in wondrous color combinations of darkest crimson to light red, fantastically veined and penciled with lighter shades. For early results start them in the greenhouse or hotbed in February or March or plant outside in May.

PALMER'S EXHIBITION HYBRIDS. 25c each; \$2.50 per doz.



Caladium.



Fancy-Leaved Caladium.



# Other Bulbs and Roots For Summer Flowers

## Giant French Poppy Anemones

These delightful spring beauties come in a wide range of bright, attractive colors in scarlet, blue, pink and white combinations. Excellent cutting flowers. Plant roots 3 inches deep, 6 inches apart, as soon as the ground is workable in April, or start in pots in the cold frame. 75c per doz.; \$5.00 per 100.

## Day Lilies (*Hemerocallis*)

**FLAVA** (Wild Tiger or Day Lily). An old-fashioned, delightfully fragrant flower, shades running from lemon-yellow to dark orange. Thrives anywhere. June. 25c each; \$2.50 per doz.

**FULVA** (Brown Day Lily). Grows from 4 to 5 feet high, with trumpet-shaped flowers of a neutral color with darker shadings. August. 20c each; \$2.00 per doz.

**KWANSO** (Double Day Lily). Large, double flowered, with rich, golden bronze flowers. 25c each; \$2.50 per doz.

## Montbretias

An excellent cut flower that is not nearly so well known as it should be. Best described as like a miniature Gladiolus, with very slender stems and foliage. The flowers, borne on 2-foot stems, are gracefully carried in small spikes, like gladioli, and come in the most desirable shades of red, scarlet, orange and yellow. Plant bulbs early in May, 3 inches deep and 6 inches apart. Mixed, 75c per doz.; \$6.00 per 100.

## Lily-of-the-Valley Clumps

For outdoor planting. Each clump contains from 18 to 24 pips to bloom this spring. Plant in April three inches deep and eighteen inches apart in moist, shady spot where they will spread rapidly. 60c each; \$6.00 per doz.; \$48.00 per 100.

## Cinnamon Vine

Hardy rapid growing climber with small, white flowers with spicy cinnamon-like odor. Attains a height of 15 to 25 feet when established. 10c each; \$1.00 per doz.



Day Lilies.

## Ranunculus

**GIANT DOUBLE FRENCH.** Flowers resemble a giant double Buttercup; on long stems for cutting. In lovely shades of bronze, orange, yellow and brown. Treat same way as Anemones. 75c per doz.; \$5.00 per 100.

## Ismene Calathina

(Peruvian Daffodil or *Pancratium Lily*)

Beautiful, large, fragrant, *Amaryllis*-like, pearly white flowers, carried in clusters on a firm stem. This wonderful plant will succeed almost anywhere. Plant the bulbs 4 inches deep, in May, and they will bloom in July. 20c each; \$2.25 per doz.

## Hardy Amaryllis

(*Halli* or *Lycoris Squamigera*)

**MAGIC LILY OF JAPAN**

Bulbs produce in early spring attractive green foliage which grows until July, when it ripens off and disappears. One not familiar with its habits would think the bulb had died but about a month later, as if by magic, the flower stalks spring from the ground to a height of 2 to 3 feet, developing 8 to 12 large and beautiful lily-shaped flowers 3 to 4 inches across, of a delicate lilac-pink, shaded with clear blue. The bulb is perfectly hardy, and will bloom for years. Plant to a depth of 4 inches anywhere in the border or other partially shaded position. \$1.25 each; \$8.00 per doz.



Golden Yellow Calla.



Montbretias.

## Bleeding Heart

(*Dicentra Spectabilis*)

Flowers heart-shaped, in long, drooping racemes of rose-crimson; fernlike foliage. Grows best in shady location and blooms in April and May. 1½ feet tall. Strong, 2-year-old roots, 50c each; \$5.50 per doz.

## Calla Elliottiana

(Golden Yellow Calla)

Large flowers of rich golden yellow, contrasting with the decorative spotted foliage. This glorious Lily will grow well outdoors in a shady, moist location. Plant the bulbs in May, 4 inches deep and 12 inches apart. It is also excellent for pot culture indoors. Monster bulbs, 50c each; \$5.50 per doz.

## Hyacinthus Candicans

(Summer Hyacinth)

Very fine planted among gladioli. Spikes 4 to 5 feet high, each bearing from 20 to 30 white, bell-shaped flowers. Plant bulbs in May, 5 inches deep, 8 inches apart. 15c each; \$1.50 per doz.; \$10.00 per 100.



Hyacinthus Candicans.

## Tuberous-Rooted Begonias

Superb showy plants for bedding in shady locations. They carry large, waxy blossoms in bright colors, and will live up a shady spot where nothing else will grow well. Start the tubers in pots in the greenhouse or hotbed in February or March and set outside in May. Begonias prefer a light, peaty soil. Tubers may also be planted outdoors in May when they will bloom in August. Large bulbs, 25c each; \$2.50 per doz.

**GIANT SINGLE FLOWERING.** Rose-pink, salmon-pink, white, yellow, scarlet. 25c each; \$2.50 per doz.

**GIANT DOUBLE FLOWERING.** Rose-pink, salmon-pink, white, yellow, scarlet. 25c each; \$2.50 per doz.

## Madeira or Mexican Vine

(Climbing Mignonette)

Just the thing for trellises and arbors. This rapid growing vine has thick, glossy foliage and long hanging stems of feathery, fragrant white flowers. Strong tubers, 5c each; 3 for 10c.

## The Book of Bulbs

By F. F. Rockwell. Pictures and text take you into the garden and show the almost limitless possibilities that bulbs offer. Types are discussed and varieties appraised for their suitability to different uses. Complete information on growing and propagation. Illustrated. 272 pages. \$3.00.



## Peonies

Plant in mellow soil that has been enriched with bone meal. Plant the roots 2 feet apart and the eyes should never be more than 2 inches below the surface of the soil. Planting too deeply is the most common cause of failure. Peonies prefer a sunny situation but will grow well in semi-shade.

All roots are extra strong, one-year-old, field-grown stock, with 3 to 5 eyes each. Ratings by the American Peony Society.

### White

**BARONESS SCHROEDER.** Rating 9.0. Rose type; late. White with shadings of pale pink. Very prolific and deliciously fragrant. \$1.00 each; \$10.00 per doz.

**FESTIVA MAXIMA.** Rating 9.3. Paper-white with crimson markings in the center. A great favorite. 45c each; \$5.00 per doz.

**DUCHESSE DE NEMOURS.** Rating 8.1. Sulphur-white with green reflex. A very fine cup-shaped variety. 60c each; \$6.00 per doz.

**LE CYGNE (The Swan).** Rating 9.9. The finest white variety. Very large, perfect flower. Creamy white with greenish tinge at center. \$7.50 each.

### Red

**FELIX CROUSSE.** Rating 8.4. Large bomb-shaped flower. Brilliant red. Fragrant. Blooms midseason. 70c each; \$7.50 per doz.

**KARL ROSENFELD.** Rating 8.8. A large globular, semi-rose type. Very vigorous grower and free blooming. One of the best early reds. 70c each; \$7.50 per doz.

**MONS. MARTIN CAHUZAC.** Rating 8.8. Dark purple-garnet with black reflex. The darkest Peony known. Strong growing, midseason variety. \$2.50 each.

**MONSIEUR KRELAGE.** Rating 7.7. Deep currant-red with amaranthine center. Large flat flowers. Midseason. \$1.00 each; \$10.00 per doz.

### Pink

**EDULIS SUPERBA.** A most popular variety. Bright clear pink with silvery reflex. Early bloomer and good cut flower. 45c each; \$5.00 per doz.

**MONS. JULES ELIE.** Rating 9.2. Beautiful pure pink. Broad, reflexing petals, with high pyramidal center of semi-quilled petals. Lasts well as a cut flower. Early bloomer. \$1.00 each; \$10.00 per doz.

**REINE HORTENSE.** Rating 8.7. Large, flat, compact flowers of uniform light shell-pink, center flushed crimson. Very fragrant, tall grower. Midseason variety. \$1.00 each; \$10.00 per doz.

**SARAH BERNHARDT.** Rating 9.0. Late flowering, compact, semi-rose type. Color mauve-rose with silvery tip. Strong grower and very fragrant. \$1.25 each; \$12.00 per doz.

**THERESE.** Rating 9.8. Charming shade of satiny pink changing to lilac-white. A real Peony. Midseason. \$3.00 each.

### Peony Special

Separate Colors—Our Selection

Double Pink .....	Each \$0.40
Double Red .....	.40
Double White .....	.40

THREE FOR \$1.00

**ALCAZAR.** S. light bluish violet; F. deep purple with bronze veined throat. 35c each; \$3.25 per doz.

**AMBASSADEUR.** S. interesting smoky velvety maroon; F. velvety purple; yellow bearded. One of the finest. Height 48 inches. 75c each; \$7.50 per doz.

**CAPRICE.** S. rosy red; F. deeper rosy red. Height 24 inches. 30c each; \$3.00 per doz.

**FAIRY.** White, delicately bordered and suffused pale blue. Height 40 inches. 25c each; \$2.50 per doz.

**LENT A. WILLIAMSON.** S. erect lavender-violet, blended with yellow toward base. F. rich royal purple, yellow beard. Height 42 inches. 40c each; \$4.00 per doz.

**LA NEIGE.** Creamy white self, with flaring fall petals. Height 24 inches. 50c each; \$5.00 per doz.

**LORD OF JUNE.** S. lavender-blue; F. rich violet-blue. Huge flower. Height 40 inches. 90c each; \$10.00 per doz.

**MME. CHOBOUT.** Prussian-red with light brownish veins on pale chalcedony ground. Clover scented. Height 36 inches. 75c each; \$7.50 per doz.



Edulis Superba Peony.

## Iris

### Iris Germanica

#### —German, Flag or Fleur-de-lis Iris

The roots or rhizomes should be planted level with the surface of the soil, almost lying on the top and 12 inches apart.

The following selection contains only the best recent introductions. "S" denotes standards or upper petals; "F" denotes falls or lower petals.

**MOTHER OF PEARL.** S. light lavender-blue with creamy undertone; F. slightly deeper lavender. Flowers of perfect form on well branched stems. 90c each; \$10.00 per doz.

**PALLIDA DALMATICA.** An older variety but still one of the most popular. Clear lavender-blue. Flowers extra large. Height 36 inches. 25c each; \$2.50 per doz.

**PROSPER LAUGIER.** S. light bronzed; F. velvety ruby-purple. White beard with yellow tip. Height 36 inches. 25c each; \$2.50 per doz.

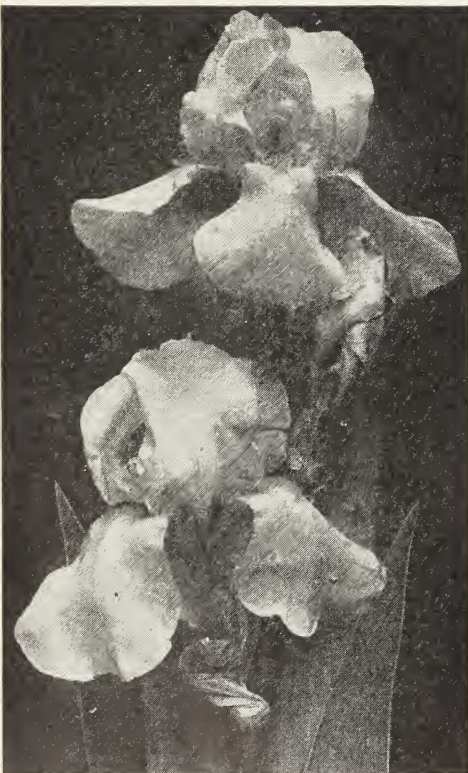
**PROSPERO.** S. pale lavender flushed yellow at base; F. deep red-purple with light shadings at edges. Height 48 inches. \$1.00 each; \$11.00 per doz.

**SHEKINAH.** Delicate pale yellow shading to amber in the throat with lemon colored beard. Height 36 inches. 60c each; \$6.00 per doz.

**SHERWIN-WRIGHT.** Clear golden yellow self; free from any markings. 35c each; \$3.50 per doz.

#### GERMAN IRIS MIXED.

For naturalizing. A splendid collection of mixed varieties. \$1.25 per doz. \$7.50 per 100.



German Iris.

## Miscellaneous Iris

**KAEMPFERI (Japanese Iris).** White, purple, blue and pink. The Japanese varieties follow the German, blooming in June and July. 50c each; \$5.00 per doz.

**PUMILA ALBA (Dwarf).** This variety offers fine edging for beds and borders. Blooms early in April. 20c each; \$1.50 per doz.

**PUMILA VIOLACEA (Dwarf).** Violet. Blooms in April. 20c each; \$1.50 per doz.

**SIBIRICA (Siberian Iris).** Flowers of brilliant blue. Small inner petals long and narrow, curving together at apex. Blooms

in between German and Japanese varieties. 20c each; \$2.00 per doz.

**SIBIRICA ALBA (White Siberian).** Blooms in June. 20c each; \$2.00 per doz.

**CRISTATA (Starry Iris).** Light blue. Blooms in May and June. 20c each; \$2.00 per doz.

**FLORENTINA.** White, tinged with blue. Blooms early in May. 20c each; \$2.00 per doz.

**FLORENTINA ALBA.** Standards and falls pearly white. Faint blue cast. Fragrant. Produced early in the season. Excellent for cutting. 20c each; \$2.00 per doz.



## Palmer's Hardy Everblooming Roses

**FRAU KARL DRUSCHKI.** H.P. Pinkish buds opening to pure white flowers of large size. A strong grower.

**OPHELIA.** H.T. Pale salmon-flesh with tint of yellow in petals. Very fragrant.

**RED RADIANCE.** H.T. Large, globular flowers of a deep rose-red. Good for cutting.

**PINK RADIANCE.** H.T. A brilliant rose-pink, well formed flowers. Blooms all summer long.

**GRUSS AN TEPLITZ.** H.T. Blooms in clusters of brilliant crimson with velvet markings and very fragrant. A large grower.

**COLUMBIA.** H.T. Lovely bright pink, well formed flowers. Very sweet scented.

**MME. CAROLINE TESTOUT.** H.T. Large globular flowers of a delightful shade of satiny rose. Strong grower and persistent bloomer.

**GENERAL JACQUEMINOT.** H.P. Scarlet-crimson buds opening to clear red. Very fragrant.

**LOS ANGELES.** H.T. Exquisite flowers of salmon-pink with yellow shading. Sweetly perfumed.

**SUNBURST.** H.T. Fine yellow flowers, suffused orange, very fragrant.

**KILLARNEY.** H.T. Long, pointed buds, opening to flat flowers of sparkling pink. Free bloomer.

Roses are ready for delivery from March 1st until April 30th. After May 15th when growth has started, we supply 2-year-old pot-grown in 5-inch pots.

### OUR BUSHES ARE ALL HARDY, TWO-YEAR-OLD, FIELD-GROWN STOCK.

**Culture.** Roses grow best in an open and sunny position. Dig the soil thoroughly, working in well-rotted manure or bone meal in a good quantity. Be careful in keeping the roots from exposure to the air. When the bushes arrive, sprinkle them and heel in until the hole is dug to receive them. Place the bush in position, spreading the roots and fill in with fine soil, making it firm with the heel. Cultivate freely during the summer. An application of bone meal at monthly intervals is advisable. During the hot weather cover the bed with a layer of Peat Moss two inches thick. This will prevent the ground from drying out and becoming baked. In late November draw the soil around the plant to a height of 1 foot. This will serve as a winter protection.

We ship plants by express only. No C. O. D. orders sent. H.P. denotes Hybrid Perpetual—blooming in June. H.T. denotes Hybrid Tea—blooming all summer.

### All Roses in this group:

(Except Where Noted)

55c each.

10 for \$5.00.

**WHITE KILLARNEY.** H.T. Typical Killarney form; flowers pure white.

**SOUVENIR DE CLAUDIUS PERNET.** H.T. Fine flowers of fadeless yellow. Very free blooming and late.

### The Talisman Rose

An exquisite new creation in Hybrid Teas. The bud is long and perfectly formed. Of very robust habit with glossy green foliage. The petals on the outside are a combination of yellow, gold and pink and as the flower opens up the inside becomes a perfect blending of apricot, old gold and old rose. Truly a wonderful Rose. Extra strong, 2-year-old, field-grown plants, specially priced at 80c each; 10 for \$7.50.

### Special Hardy Rose Offer

EVERBLOOMING

NORTHERN GROWN, TWO-YEAR-OLD STRONG ROOTS.

RED WHITE PINK YELLOW

Select plants only 35c each; 3 for \$1.00; 4 for \$1.30; 12 for \$3.60.

## Hardy Climbing and Rambler Roses

Prices on all Climbing Roses: 45c each; 10 for \$4.00.

Much used for trellises, walls, porches, arbors, etc. We supply fine, strong, 2-year-old plants of the following varieties:

**CLIMBING AMERICAN BEAUTY.** The same color as the favorite bush Rose, with rich perfume, and borne singly or in threes.

**DOROTHY PERKINS.** Double, soft shell-pink flowers in large clusters.

**DR. W. VAN FLEET.** Long, pointed buds; rich flesh-pink blooms, exquisitely shaped.

**AVIATEUR BLERIOT.** Rich saffron-yellow flowers.

**EXCELSIOR.** Large clusters of double, brilliant scarlet-crimson blooms. An improved Crimson Rambler.

**MARY WALLACE.** Semi-double, bright clear rose-pink flowers, with salmon at base of petals.

**PAUL'S SCARLET CLIMBER.** A gorgeous climber; blooms profusely; literally covered with flowers from top to bottom. Beautiful long-pointed buds.

**SILVER MOON.** Silvery white with yellow stamens. Single flowers of largest size, in clusters; glossy deep green foliage.

**GARDENIA.** Yellow buds opening to creamy flowers with rich golden centers.

## Hardy Lilies

**LILIUM REGALE** (Myriophyllum). Here is a Lily that everybody can grow with ease. Regal Lilies follow the Madonna Lilies in blooming period, flowering in July. They are vigorous growers with sturdy stems 4 to 5 feet high, carrying from 3 to 6 delicately scented blooms the first year. Flowers are pearly white with throats flushed yellow. On the outside the petals are delicately streaked with purplish brown shading to pearly white. Plant the bulbs 5 inches deep in any good garden soil and a treat awaits you when they bloom. Large bulbs (6 to 8 inches circumference) specially priced at 35c each; \$3.50 per doz.; \$27.00 per 100.

### Hardy Japanese Lilies

Plant them as soon as the frost is out of the ground twice their own depth, on a base of sand, laid over on their side. Do not use fresh manure with Lilies.

**AURATUM** (The Gold-Banded Lily of Japan). Pure white with band of golden yellow through center of each petal, and chocolate-crimson spots. Three to six Lilies on stem. Fragrant. Blooms from July to September. Mammoth bulbs, 50c each; \$5.50 per doz.; \$40.00 per 100. Large bulbs, 35c each; \$3.50 per doz.; \$27.00 per 100.

**LILIUM HANSONI.** Reddish orange blooms, six to ten in cluster. Thick petals. Blooms June-July. 60c each; \$6.00 per doz.; \$45.00 per 100.

**KRAMERI.** Wide open flowers of delicate flesh-pink tint. Very beautiful. 40c each; \$4.00 per doz.; \$28.00 per 100.

**SPECIOSUM ALBUM.** Pure white with reflexed petals. Blooms in August and September. Very satisfactory. Mammoth bulbs, 65c each; \$6.50 per doz.; \$50.00 per 100. Large bulbs, 50c each; \$5.00 per doz.; \$40.00 per 100.

**SPECIOSUM RUBRUM.** White ground heavily spotted and banded with deep pink. Reflexed petals. Sometimes as many as ten flowers on a spike. Blooms in August and September. A great favorite. Mammoth bulbs, 50c each; \$5.50 per doz.; \$40.00 per 100. Large bulbs, 35c each; \$3.50 per doz.; \$27.00 per 100.

**SPECIOSUM HENRYI.** Large, orange-yellow blooms. Reflexed petals. One of the hardiest. Blooms in August and September. 85c each; \$8.50 per doz.; \$65.00 per 100.

**TIGRINUM FLORE PLENO.** The best double Tiger Lily. 25c each; \$3.50 per doz.; \$25.00 per 100.

**TIGRINUM SPLENDENS.** The improved Tiger Lily. Orange-red, spotted with black. Blooms in August. 30c each; \$3.00 per doz.; \$20.00 per 100.

### Native Lilies

**CANADENSE.** Our native Lily. Nodding, bell-shaped flowers of reddish yellow. 25c each; \$2.50 per doz.; \$16.00 per 100.

**DAVURICUM** (Umbellatum). Scarlet, dotted black, resembles Philadelphiaicum. 35c each; \$3.50 per doz.; \$27.00 per 100.

**SUPERBUM** (Turk's Cap Lily). Flowers bright reddish orange in pyramidal clusters. 30c each; \$3.00 per doz.; \$20.00 per 100.

**ELEGANS** (Thunbergianum). Very hardy dwarf Lilies thriving in any garden and producing large, erect flowers of various shades of yellow, orange and red. Blooms in June and July. Height 1½ to 2 feet. Mixed colors, 35c each; \$3.50 per doz.; \$27.00 per 100.



# Hardy Perennial Plants

All Plants Marked (\*) are Recommended for Rock Gardens.

Ready for delivery during April and early May, and again in late September and October. All are strong, healthy roots. Plant orders are shipped by express only. No plants sent C. O. D.

PRICES (EXCEPT WHERE NOTED), 3 PLANTS, 75c; DOZ., \$2.50; HUNDRED, \$20.00.



Aquilegia—Columbine.



Centaurea Montana—Mountain Bluet.



Coreopsis Lanceolata.

\***ACHILLEA PTARMICA**, Boule de Neige (Ball of Snow). An improved variety with sprays of perfect double white flowers. Fine for cutting. 1½ feet. June to September.

**Millefolium** (Rose Flowered Yarrow or Rosy Milfoil). Rosy pink flowers in dense, flat heads on stems 18 inches high.

\***AGROSTEMMA coronaria**. Purple-crimson, phlox-shaped flowers, silvery foliage. June. 2½ to 3 ft.

\***ALYSSUM saxatile compactum** (Gold Dust). Masses of golden yellow flowers. 1 ft. April-May.

**ANCHUSA italica**, Dropmore. Gentian-blue flowers on tall, showy pyramidal spikes, 4 to 5 feet tall. June.

**ANEMONE japonica** (Japanese Windflower). Graceful poppy-like blooms on long stems from late August until severe frost. Fine for cutting and showy in the garden. 2 to 3 ft. Assorted Colors.

**AQUILEGIA coerulea** (Rocky Mountain Columbine). Blue and white. Very large flowers. Strong, bushy plants. 1½ feet. May-June. **Long-Spurred Hybrids**. A magnificent strain of the choicest Columbines in beautiful shades, including many new varieties. 2½ to 3 feet. May-June.

\***ARABIS alpina**. Pure white.

\***ARMERIA formosa**. Pink.

**ASTERS, HARDY**. The following are the most improved of our native wild Asters, so conspicuous during late summer and early fall. **Novae-angliae**. New England Aster. Showy pink to purple. Slightly branched, spreading rapidly from the roots.

**Novae-angliae roseum superbum**. This is by far the best of the Hardy Asters. Color almost red and a profuse bloomer.

**Novi-belgi**, St. Egwin. Grows three feet high; is of a pleasing pink and very free flowering.

**Robert Parker**. Blue. Blooms in September.

\***Mauve Cushion**. Distinct species, forming a circular cushion-like plant 2½ ft. across and 9 inches high. Flowers delicate mauve with silvery white reflex, produced in profusion.

**Mrs. Raynor**. Crimson. Blooms in September.

**Tatarica**. A distinct, large, bluish violet color. Very late bloomer. Height about 6 feet.

**BAPTISIA australis** (False Indigo). 3 feet.

Erect sprays of dark blue flowers in June and July, shaped like sweet peas. 3 plants, \$1.00; \$3.50 per doz.

**BOCCONIA cordata** (Plume Poppy). Most tropical looking of our hardy plants. Foliage broad and glaucous. Tall, upright habit, plant terminating in great spikes of whitish flowers. Used for backgrounds or perennial borders. 3 plants, \$1.00; \$3.50 per doz.

**CAMPANULA calycanthema** (Cup and Saucer). choice hybrids. 2 to 3 feet. June.

\***Carpatia** (Carpathian Harebell). Blue. For rockeries and borders. 8 inches. July-August.

**Medium** (Canterbury Bells). White, pink, lavender and blue. 2 ft. June.

**Persicifolia** (Peach Bells). Blue. 12 inches. June-July.

**Persicifolia alba**. White.

**CARNATION, HARDY**. Very fragrant flowers on long cutting stems. Pink, red and white.

**CENTAUREA montana** (Hardy Cornflower). Large blue flowers on long stems, making them fine for cutting. Hardy and bloom continuously. 18 inches to 2 feet.

**Montana alba** (Hardy Cornflower). White.

**CHRYSANTHEMUM, HARDY**. They grow from 1 to 2 feet tall in every shade of crimson, yellow, orange, pink and white, and stand out more prominent when the first killing frosts have swept the garden. Prices on all Chrysanthemums: 3 plants, 60c; \$2.00 per doz.; \$15.00 per 100.

## CHRYSANTHEMUMS—LARGE-FLOWERING TYPES

**Boston**. Bronze.  
**Ouray**. Dark crimson, copper glow.  
**Excelsior**. Bright yellow.  
**Oconto**. White.  
**Old Pink**. Rose-pink.  
**St. Illoria**. Silver-rose.

## CHRYSANTHEMUMS—POMPON OR BUTTON FLOWERING TYPE

**Bettie**. Pink.  
**Fred Peele**. Yellow and bronze.  
**Mare Beau**. Dark rose.  
**Maid of Kent**. White.

**COREOPSIS lanceolata**. Golden yellow. 2 feet. June to October.

**DELPHINIUM chinense**, Blue. Azure-blue. 1½ feet. June-July.

**Chinense**, White. White form of above.

**Belladonna**. Turquoise-blue. 4 feet. June to frost.

**Bellamosa**. Dark blue form of above.

**English Hybrids**, Exhibition Strain. Strong, stately spikes, often 7 feet high; lovely color range, containing both the Wrexham Hollyhock, and Blackmore & Langdon's Hybrids. June-July. 3 plants, \$1.00; \$3.50 per doz.; \$27.00 per 100.

**Gold Medal Hybrids**, Mixed.

\***DIANTHUS plumarius** (June Pinks). Spicy fragrance. 1 foot. May-June.

**DIGITALIS ambigua** (Foxglove). Yellow. 3-4 feet. July to August.

**Gloxiniaeflora**. Purple. July.

**Rosea**. Rose-pink. July.

**ECHINACEA purpurea** (Purple Coneflower). Reddish purple. 3 to 4 feet. July-August.

**GAILLARDIA grandiflora hybrida**. Yellow and orange-red; very brilliant. 1½ feet. May to November.

\***GEUM**, Mrs. Bradshaw. Large, double scarlet flowers. Showy. 2½ feet. May to July.

**GYPSOPHILA paniculata** (Baby's Breath). Grayish white. 2 to 3 feet. June-July.

**Paniculata flore pleno**. Minute, double, rosette-like flowers in great profusion on branching panicles. 2 to 3 feet. July-August. 3 plants, \$1.00; \$3.50 per doz.

**HELIOPSIS Pitcheriana**. Yellow to orange. 3 inches across. Fine for cutting. 2 to 3 ft. August-September.

**HOLLYHOCK**, Chater's Double. White, pink, yellow, Newport pink, scarlet and crimson. 5 to 7 feet. July to September.

\***IBERIS sempervirens** (Candytuft). This sort bears innumerable flat heads of pure white flowers. Bloom in August and September.

**LATHYRUS latifolius** (Hardy Sweet Peas). Pink, white and red. Blooms from June to August. 3 plants, 90c; \$3.00 per doz.

\***LINUM perenne** (Flax). Desirable for rockery or border. Light, graceful foliage and large blue flowers all summer. One foot to 18 inches high. 3 plants, 60c; \$2.00 per doz.

**LUPINUS polyphyllus**. White, pink and blue. 4 to 5 feet. June-July. 3 plants, \$1.00; \$3.50 per doz.

**Polyphyllus**, Harkness Regal Hybrids. A cross between *Lupinus polyphyllus* and *Lupinus arboreus*. Produces strong spikes of great length, thickly set with flowers, including many new colors such as copper, orange, amber, rose, etc. 5 to 6 feet. June to August. 3 plants, \$1.40; \$5.00 per doz.

**LYCHNIS chalcadonica** (Maltese or Jerusalem Cross). One of the most brilliant border flowers. Dark green foliage, hairy and narrow. Blossoms all summer. Bright scarlet flowers.

\***Haageana**. Flame color.



# Hardy Perennial Plants

**MATRICARIA capensis flore pleno** (Double White Feverfew). Blooms in May.

\***MERTENSIA virginica** (Virginia Blue Bell). Purplish blue. Blooms from March to May. 3 plants, 75c; \$2.50 per doz.; \$17.00 per 100.

**MINT**, Peppermint and Spearmint. 3 plants, 45c; \$1.50 per doz.

**MONARDA didyma** (Bee Balm). Red. Blooms from July to September.

\***MYOSOTIS palustris** (Forget-me-not). The large spring flowering sort with intense sky-blue flowers, bright and attractive. 3 plants, 90c; \$2.00 per doz.

**PACHYSANDRA terminalis** (Japanese Spurge). A low, trailing, dense evergreen with glossy green foliage. An excellent ground cover; entirely hardy.

**PAPAVR orientale** (Oriental Poppy). 2 feet. June. 3 plants, 90c; \$3.00 per doz.

**Oriente, Mrs. Perry**. Soft salmon-rose. 3 plants, \$1.00; \$3.50 per doz.

**PENTSTEMON barbatus Torreyi** (Coral-red Beard Tongue). Spikes of deep bright scarlet or coral-red flowers.

**PHLOX DIVARICATA CANADENSIS**. Our native lavender-blue Phlox. Fine for rock gardens and undergrowth for tulip beds. 1 foot. May.

**PHLOX MACULATA**. The color is amaranth-pink; a very free-flowering variety; flower trusses 10 inches long; flowers from June until frost. 2 to 2½ ft.

**PHLOX, LARGE FLOWERING, HARDY** (Phlox decussata).

**Baron van Dedem**. Brilliant orange-red. **Eclairer**. Large flowers of carmine-violet-red with pink center.

**Fraulein von Lassburg**. Large white. **Jules Sandeau**. Pink.

**Mrs. Charles Dorr**. A beautiful shade of lavender.

**Rheinlander**. Large salmon-pink with distinct claret-red eye.

**Richard Wallace**. White with red eye.

**R. P. Struthers**. Cherry-red suffused salmon.

**Rijnstroom**. Very large bright rose-pink.

**Thor**. Beautiful deep salmon-pink.

**La Vague**. Lavender-pink.

**PHLOX SUFFRUTICOSA**.

**Miss Lingard**. Large flowering, blooms earlier than *Decussata*. Pure white.

\***PHLOX SUBULATA** (Moss Pink). Tiny white, pink and lavender flowers in wonderful profusion. Of creeping habit. Ideal for rock gardens. 3 to 4 inches. April-May.

**PHYSALIS Francheti** (Chinese Lantern Plant). Grown for its decorative fruit, used in winter bouquets. 2 ft. April-May. 3 plants, 90c; \$3.00 per doz.

**PHYSOSTEGIA** (False Dragonhead). Strong spikes of pure white or pink flowers, lovely for cutting. 2 ft. June to September.

**PLATYCODON grandiflora** (Saucer Flower). Blue, balloon-shaped buds; most attractive. 1½ ft. June-July.

**PLUMBAGO larpentae** (Leadwort). Blue. Blooms August to October. Fine for rockery.

**SALVIA azurea** (Blue Sage). Spikes of sky-blue flowers. Blooms August and September.

**Pratensis**. Showy spikes of deep blue. 2 to 3 feet. Blooms June-July.

**SCABIOSA caucasica** (Blue Bonnet). Soft lilac-blue. 2 feet. June to August. 3 for 90c; \$3.00 per doz.

\***SEDUM acre** (Golden Moss). A dwarf variety much used for covering graves. Fine for rock gardens. Foliage green. Flowers bright yellow. 3 plants, 60c; \$2.00 per doz.

\***Maximowiczii** (Stonecrop). Yellow. Valuable as a late blooming plant. Fine border plant and one of the best for foliage. July and August. 6 inches.

**Spectabilis**. One of the prettiest of the tall growing species. Pink blooms in August and September. 1½ feet.

**Spectabilis, Brilliant**. Crimson. 1½ ft.

**Spurium coccineum**. Flowers crimson. 6 inches.

**Stolonifera**. A flat trailing variety with pink flowers. 6 inches. July-August.

**Sarmentosum**. Dwarf trailing variety. 3 inches. Fine for rock pathways.

**Ewersi**. Gray foliage—rosy lilac blooms.

\***SEMPERVIVUM** (Hen and Chickens).

Curious and interesting plants forming rosettes of succulent leaves. Good for rockeries, dry banks, carpet bedding or walls. 3 plants, \$1.40; \$5.00 per doz.

**SHASTA DAISY, Alaska**. A decided improvement on the original; pure glistening white. 1½ feet. June to September.

\***SIBERIAN WALLFLOWER**. Large heads of very fragrant, brilliant orange flowers. Most effective, either in beds or in rockeries. 1 foot. May to midsummer. 3 plants, \$1.00; \$3.50 per doz.

**STATICE latifolia** (Sea Lavender). Fine panicles covered with a profusion of small blue flowers. 2 feet. August-September.

**STOKESIA cyanea** (Cornflower Aster). Sky-blue. 2 feet. July to October.

**SWEET WILLIAM** (*Dianthus Barbatus*). Popular fragrant perennial. Blooms May and June. 1½ ft. Newport pink, rose-pink, white, crimson, mixed.

\***TRILLIUM grandiflorum** (Snow Trillium). White.

**TRITOMA Pfitzeri** (Red Hot Poker Plant). Orange-scarlet, shaded to salmon-rose on edge; continuous bloomer. 2 to 3 feet. August-September. 3 plants, 90c; \$3.00 per doz.

**VALERIANA** (Garden Heliotrope). White; sweet scented. 3 to 4 feet. June-July. \**Coccinea*. Rose, tinted white.

**VERONICA longifolia** (Giant Speedwell). Long, dense blue spikes. 2 feet. July to September.

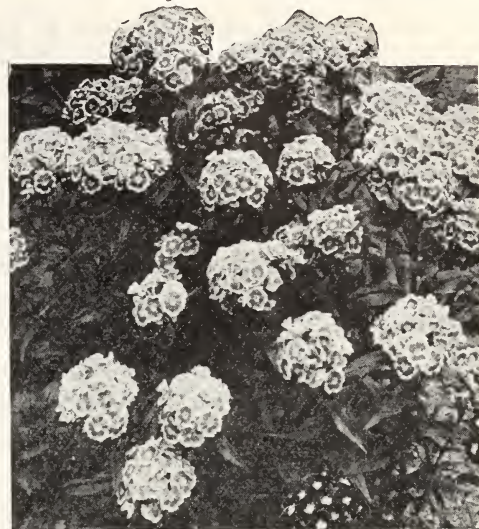
\**Amethystina*. Bright blue.

\***VINCA minor** (Myrtle). Blue flowers. splendid for shade; grows anywhere. 6 inches. April-May. 3 plants, 45c; \$1.50 per doz.

\***VIOLA, Jersey Gem**. Beautiful hardy giant blue Violet. Blooms all summer on 12-inch stems. 3 for \$1.25; \$4.00 per doz.; \$30.00 per 100.

\***VIOLET**, Sweet Scented Hardy English. Prince of Wales. 3 plants, 75c; \$2.50 per doz.

**YUCCA filamentosa** (Adam's Needle). Of tropical appearance; dark green spiked leaves; large pyramidal clusters of creamy flowers. 4 to 6 feet. June-July. Large, 3-year-old plants, 3 for \$1.20; \$4.00 per doz. Specimen plants, \$1.00 each; \$10.00 per doz.



*Dianthus Barbatus*—Sweet William.



*Matricaria*—Feverfew.



*Gaillardia*.

## Greenhouse and Annual Bedding Plants, Etc.

We carry a complete line of these plants in May, including Ferns, Dracaenas, Pandanus, Geraniums, Fuchsias, Marguerites, Zinnias, Asters, Snapdragons, Pansies, Heliotrope, Lantana, etc.



# Hardy Ornamental Shrubs

Our hardy shrubs are ready for shipment from March 1st to April 15th, and in the fall from October 15th to December 1st. They are all thoroughly acclimated stock, with a strong, well developed root system, and cannot fail to give satisfaction.

We include in our list only those varieties most in demand. Should you require any kind not included here, write us for prices.

SHRUBS SHIPPED BY EXPRESS ONLY. NO SHRUBS SENT C. O. D.

## Althea - Hibiscus; Rose of Sharon

Free growing shrubs of very easy cultivation, flowering in August and September, a time when nearly all other trees and shrubs are out of bloom. Attains a height of 6 to 12 feet. Single Red, White, Pink. 40c each; \$3.50 per doz.

## Amygdalus - Flowering Almond

Very heavy with double, roselike flowers, which fill the branches until they bend with the weight of the blooms. Blooms in May and June. Grows to a height of 6 to 8 feet. White or Pink. 65c each; \$6.00 per doz.

## Berberis - Barberry

**THUNBERGI** (Japanese Barberry). A species from Japan, with round, drooping habit, spoon-shaped leaves, of a fine brilliant green in summer and red berries in the fall. The growing shoots, always a lighter shade, take on, from autumn until December, the most glowing colors. They make a dense, low hedge, in almost any situation, which will stand any amount of shearing, and are very hardy. 18 to 24 in., 35c each; \$3.00 per 10; \$27.50 per 100.

**ATROPURPUREA** (New Red-Leaved Barberry). Same as above, except that the foliage is a rich bronze-red. This variety colors even more beautifully than Thunbergi in the autumn, and is very effective when used among other shrubs to give contrasting color. Strong, select plants, 50c each; \$4.50 per 10.

## Buddleia

**VARIABILIS VEITCHI** (Butterfly Bush). One of the most admired shrubs. Very bushy and grows quickly. Bloom spikes appear from July onward all through the summer, radiating a delightful perfume. Freezes down in winter but grows again rapidly in the spring. Attains a height of 4 to 6 feet. 2-year, field-grown, 40c each; \$3.50 per 10.

## Cornus

**SIBIRICA** (Red Siberian Dogwood). Free-growing, 6 to 10 feet tall and very hardy. Bears a profusion of whitish blue berries in early fall, making them distinctly ornamental after the white flowers are gone. The stems are red, which makes it a valuable plant for winter effect. They grow well in shady locations. Attains height of from 6 to 10 feet. 50c each; \$4.50 per 10.

**LUTEA** (Yellow-Twigged Dogwood). Bright yellow bark in winter, particularly effective in shrubberies planted with the Red-Branched Dogwood. Grows from 6 to 10 feet high. 60c each; \$5.50 per 10.

## Cydonia

**JAPONICA** (Japan Quince or Fire Bush). This fine old shrub is completely covered with dazzling scarlet flowers early in the spring. Leaves are dark green and glossy. Grows 3 to 6 feet high. 50c each; \$4.50 per 10.

## Deutzia

They vary greatly in height and habit but all have dainty bell or tassel-shaped flowers borne thickly in wreaths along their branches in June. **DEUTZIA CRENATA** (Pride of Rochester). Grows 6 to 8 feet high and blooms in May before the others. Flowers large and free, double white. 45c each; \$4.00 per 10.



An Attractive Foundation Planting.

**DEUTZIA CRENATA ROSEA PLENA**. Double white tinged rose. 45c each; \$4.00 per 10.

**DEUTZIA GRACILIS**. Dwarf growing, dense, bushy, its drooping branches wreathed with pure white flowers in May. Grows 2 to 3 feet high. 45c each; \$4.00 per 10.

## Forsythia

**FORTUNEI** (Golden Bell). This splendid shrub grows from 8 to 10 feet high in good soil. Good for shady locations. The flowers, glinting masses of gold, appear very early in spring before the leaves. 40c each; \$3.50 per 10.

**INTERMEDIA** (Border Forsythia). Blooms so early that it is frequently covered with its bright, golden flowers when the ground is covered with snow. Attains a height of from 8 to 10 feet. 40c each; \$3.50 per 10.

**SUSPENSIA** (Weeping Golden Bell). Handsome, drooping habit with slender branches strung with bright rosettes of brilliant yellow blooms. Fine for covering rocks and slopes. 50c each; \$5.50 per 10.

## Hydrangea

**ARBORESCENS GRANDIFLORA** (Snowball Hydrangea). This superb new Hydrangea is absolutely hardy and moreover, of easy culture. Grows well in shady places and is an exceedingly easy bloomer. Color is pure white and the flower is usually retained for four or five weeks. Blooms first season. Should be cut back severely in the spring. Height from 6 to 8 feet. 50c each; \$4.50 per 10.

**PANICULATA GRANDIFLORA**. Its massive pinkish white flowers in panicles from 8 to 12 inches long, bend the branches with their weight, and the color changes finally to pink and a bronzy green. Prefers a semi-shaded location. 50c each; \$4.50 per 10.

## Kolkwitzia - Beauty Bush

An unusually attractive and showy shrub closely related to Weigela and Abelia. Prolific bloomer. Blush pink flowers resembling Weigela blooms. 75c each; \$7.00 per 10.

## Ligustrum - Privet

**AMURENSE** (Amoor River Privet—North). The Chinese variety, harder than the others, growing 8 or 9 feet high, with dark green leaves which persist through the winter. Evergreen in the South. Bears white flowers in June, which are followed by black berries. Hardy in all climates. 18 to 24 in., 20c each; \$1.25 per 10; \$10.00 per 100.

**OVALIFOLIUM** (California Privet). A species of unusual beauty that has become the most popular of all hedge plants. Its shining leaves give it value for porch and terrace decoration when grown in standard form. Can be sheared to any desirable shape. 24 in., 60c per 10; \$4.50 per 100.

## Lonicera - Bush Honeysuckle

**FRAGRANTISSIMA** (Fragrant Honeysuckle). A spreading shrub with deep green foliage and very fragrant small flowers, which appear before the leaves. Foliage almost evergreen; most desirable. Will succeed in semi-shade. Grows 8 to 12 feet. 45c each; \$4.00 per 10.

**TATARICA ALBA** (White Tartarian Honeysuckle). Forms a high bush with creamy white, fragrant flowers that bloom in May and June. Attains height of from 8 to 10 feet. 45c each; \$4.00 per 10.

**TATARICA** (Red Tartarian Honeysuckle). Similar to the White Tartarian but with deep rose-pink flowers in early summer. 45c each; \$4.00 per 10.

**MORROWI**. A fine variety from Japan. Valuable for its handsome red fruit which follows the fragrant white blossoms. Vigorous grower and fine for heavy shrub planting. Grows 4 to 6 feet. 45c each; \$4.00 per 10.

## Philadelphus - Mock Orange

**CORONARIUS** (Mock Orange or Sweet Syringa). A well known shrub with pure white, sweetly scented flowers, blooming in May. One of the first to bloom. Grows 5 to 7 feet tall. 45c each; \$4.00 per 10.

**VIRGINALIS** (Large Flowering Syringa). Neat habit—the finest of this family. Fragrant, white blooms 2 inches in diameter. May and June. 60c each; \$5.50 per 10.

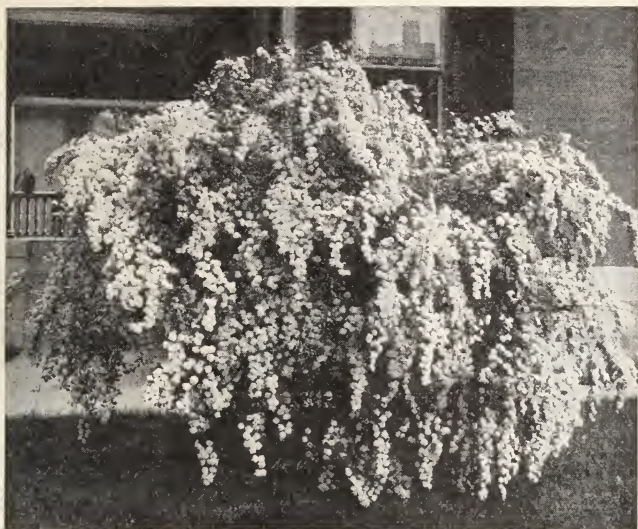
## Miscellaneous Roses

**ROSA HUGONIS**. New Yellow Chinese Briar. Has clear healthy foliage of the Briar type. The flowers range from deep gold to canary-yellow. When fully developed it forms a bush 6 feet tall. 2-year-old plants, 75c each; \$6.50 per 10.

**ROSA RUGOSA** (Japanese Rose). The foliage is lustrous dark green. Purplish red flowers, measuring 3 inches in diameter, are borne in clusters, which are succeeded by persistent bright red fruits. 2-year, 60c each; \$5.50 per 10.

**ROSE, PERSIAN YELLOW**. This is the old-fashioned yellow Rose which is very hardy and covered with yellow flowers in the spring. 2-year, 75c each; \$6.50 per 10.





Spirea Van Houttei is a Fountain of White Bloom in Spring—Justly Popular.

## Spirea

**VAN HOUTTEI** (Bridal Wreath). One of the most charming and beautiful of the Spireas. Has white flowers in clusters about an inch in diameter. Grows from 4 to 6 feet tall. Large, 30c each; \$2.75 per 10.

**BUMALDA ANTHONY WATERER**. Low, compact growing shrub, covered in July with flat heads of rosy crimson flowers. If kept cut they will bloom until frost. Height 1½ to 3 feet. 45c each; \$4.00 per 10.

**BILLIARDI** (Meadow Sweet). A narrow dense shrub, 6 feet high with tall bright pink spikes of flowers. From June until August. 45c each; \$4.00 per 10.

## Snowberry

**SYMPHORICARPOS RACEMOSUS**. A well known shrub with small pink flowers followed by white berries in clusters which remain on the plant throughout part of the winter. Attains a height of 3 to 5 feet. 40c each; \$3.50 per 10.

## Lilac - Syringa

**VULGARIS** (Common Purple Lilac). Grows upright, sometimes from 15 to 20 feet tall, with abundant dark green foliage and the familiar fragrant purple flowers in May. One of the best shrubs for a tall screen or for the background of shrub plantings. 45c each; \$4.00 per 10.

**VULGARIS ALBA** (Common White Lilac). Same as above but flowers are of a beautiful creamy white. 60c each; \$5.50 per 10.

## French Varieties of Lilac

The following list of varieties are grafted plants and are certain to bloom, as the grafts are taken from plants that have bloomed.

**BELLE DE NANCY**. Double pink. 90c each; \$8.50 per 10.

**MARIE LEGRAYE**. Single white. Panicles large. One of the finest whites. 90c each; \$8.50 per 10.

**MICHAEL BUCHNER**. Double flowers of pale blue. 90c each; \$8.50 per 10.

**MME. LEMOINE**. Double white. 90c each; \$8.50 per 10.

**PRESIDENT GREVY**. Double flowers of dark blue and very beautiful. 90c each; \$8.50 per 10.

**SOUVENIR DE LUDWIG SPAETH**. Long panicles. Large individual flowers. Color of flowers dark red. 90c each; \$8.50 per 10.

## Tamarix - Tamarisk

**AFRICANA**. Bright pink flowers in slender racemes in April and May. Shrub is tall and is very showy with its reddish bark and fernlike foliage. Grows 10 to 15 feet tall. 45c each; \$4.00 per 10.

## Viburnum - Snowball

**DENTATUM** (Arrow-wood). Flowers greenish white. Foliage turning to red and rich purple in the fall. Grows 8 to 10 feet tall. 55c each; \$5.00 per 10.

**PLICATUM** (Japanese Snowball). Of moderate growth, blooms with handsome globular heads of pure white flowers early in June. Surpasses the common Snowball in several respects. Its habit is better, foliage much handsomer, flowers whiter and more delicate. 75c each; \$7.00 per 10.

**OPULUS** (High Bush Cranberry). Flowers white in June, followed by red berries in the autumn. 50c each; \$4.50 per 10.

## Weigela - Diervilla

**AMABILIS** (Rose Weigela). A beautiful, distinct pink flowering sort of this valuable shrub. Blooms in June and July. Grows about 6 feet tall. 50c each; \$4.50 per 10.

**CANDIDA** (White). Flowers are pure white and produced in great quantities in June and all through the summer. Height about 4 to 6 feet. 50c each; \$4.50 per 10.

**EVA RATHKE** (Crimson). Flowers a brilliant crimson. Blooms in June. Bush is of spreading habit and grows from 3 to 4 feet in height. 50c each; \$4.50 per 10.

EVERGREENS, SHADE TREES,  
FRUIT TREES. WRITE FOR  
OUR SPECIAL PRICES.



Clematis Jackmani.

## Hardy Vines and Creepers

SHIPPED BY EXPRESS ONLY. NO PLANTS  
SHIPPED C. O. D.

**AMPELOPSIS VEITCHI** (Boston Ivy). Of Japanese origin. Entirely hardy with foliage turning brilliant red in autumn. It clings tightly to walls and is unsurpassed for covering buildings, fences, etc. 45c each; \$4.00 per 10.

**AMPELOPSIS QUINQUEFOLIA** (Virginia Creeper). Rich crimson in autumn. A very rapid grower. One of the finest vines for covering trunks of trees, etc. 35c each; \$3.00 per 10.

**ARISTOLOCHIA SIPHO** (Dutchman's Pipe). Very hardy rapid growing vine, with large, dark green heart-shaped leaves and brownish green pipe-shaped flowers. 75c each; \$7.00 per 10.

**BIGNONIA RADICANS** (American Climbing Trumpet Vine). A splendid, hardy climbing plant with large, trumpet-shaped, scarlet flowers in August. 45c each; \$4.00 per 10.

**CLEMATIS PANICULATA**. Very rapid growth, quickly covering trellises and arbors with handsome foliage and clusters of star-shaped, white flowers borne in great profusion with most wonderful fragrance. Flowers appear in September. 40c each; \$3.50 per 10.

**CLEMATIS JACKMANI**. Large, intense, violet-purple, star-shaped flowers, remarkable for their velvety richness. An abundant and successive bloomer. \$1.00 each; \$9.00 per 10.

**CLEMATIS HENRYI**. Large white. \$1.00 each; \$9.00 per 10.

**CLEMATIS, MAD. ED. ANDRE**. Large, crimson-red. \$1.00 each; \$9.00 per 10.

**CLEMATIS RAMONA**. Beautiful clear sky-blue color. \$1.00 each; \$9.00 per 10.

**EUONYMUS RADICANS** (Evergreen Bittersweet). Trailing vine, small, glossy foliage. Fine for buildings and as a ground cover. Clings to rocks and walls. 60c each; \$5.50 per 10.

**LONICERA JAPONICA HALLIANA** (Hall's Japan Honeysuckle). A strong, fragrant, vigorous, evergreen sort, with pure white flowers, changing to yellow. Rapid climber. 50c each; \$4.00 per 10.

**POLYGONUM AUBERTI** (Silver Lace Vine). Clusters of small, white flowers. Very hardy—will grow anywhere. 2-year, 75c each; \$7.00 per 10.

**PUERARIA THUNBERGIANA** (Kudzu Vine). This is the fastest growing vine; has large foliage and clusters of lavender, pea-shaped flowers. 2-year, 30c each; \$2.50 per 10.

**WISTERIA SINENSIS** (Chinese Purple Wisteria). Strong climber. Flowers lilac-purple, borne in racemes from 4 to 6 inches long. 2-year, grafted, 50c each; \$4.50 per 10. 5-year, grafted, \$1.25 each; \$10.00 per 10.

**WISTERIA SINENSIS ALBA** (Chinese White Wisteria). Flowers of this variety are pure white and very beautiful. 60c each; \$5.50 per 10.

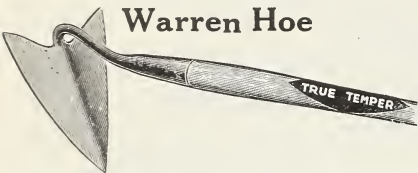


## Garden Tools and Supplies



### Garden Hoe

This is the standard garden hoe. Made of the best steel and hardwood handles.  
No. G-6, 6-inch, each .....\$1.25  
No. G-8, 8-inch, each ..... 1.50



### Warren Hoe

Has an almost unlimited number of uses for drilling seed, covering furrows, hilling, cultivating and weeding. Regular True Temper quality. Handles 4 1/3 ft. long. Each, \$1.50.

### Spading Fork

4-tine spading fork. Better than solid spades for gardening. The fork not only turns up the soil but breaks it up and makes cultivating easier. Will stand hard service.  
No. 433 .....\$2.00  
No. 435 ..... 1.50

### Garden Spade

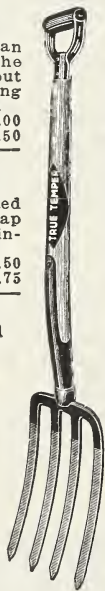
A special spade of heat treated steel, high polished. Full strap front and back. Built to last indefinitely.  
No. 101 .....\$3.50  
No. 102 ..... 1.75

### Steel Bow Garden Rake

Made of solid steel with white ash handle. Teeth curved. This rake is preferred for general use as it can be applied to a variety of needs. 12 teeth, \$1.25; 16 teeth, \$1.50.

### Level Head Garden Rakes

The old standard pattern with heavy straight teeth and straight head. Made of forged steel and has no rivets or welds. Fine for breaking ground and leveling beds. 14 teeth, \$1.00 each.



Spading Fork.

### Hudson Dandelion Rake



Cannot be equalled for raking up old grass, weeds, etc., and making new seed beds. Wherever strenuous raking is necessary, the Hudson Dandelion Rake will prove valuable. Made of durable steel and built for long, hard service. Each, \$1.00.

### No. 120 Wire Lawn Rake

These reversible, light weight rakes are made for use on sodded lawns to remove grass clippings. Will not tear or pull grass. 5 1/2-ft. handle. Each, \$1.00.

### Wood Lawn Rake

A 26-tooth rake made of hardwood head and genuine hickory teeth with malleable iron brace and socket. 6-ft. ash handle. A handy rake for leaves, hay, etc. Each, \$1.00.

### Japanese Broom Rake

Fine for cleaning leaves, debris, etc., out of the lawn, leaving it as free from refuse as though swept with a broom. Made of split bamboo rigidly secured. It weighs only 12 ounces but is durable and efficient. Each, 60c.



### Potato Hook or Prong Hoe

An efficient and helpful pronged hoe for loosening the soil and digging potatoes. Well made and will serve a great many purposes around the garden. No. 4-B, \$1.50.

### Michigan Beet Weeder



A convenient little tool for working beets, carrots and other small vegetables. No. B-41, 75c.

### Triangular Thinning Hoe

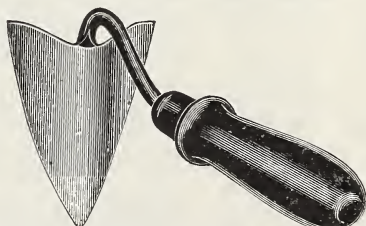


A popular tool for close work among onions and other small crops. Blades 3 inches wide. Handle 4 ft. long. No. 34-W, \$1.00.

### Triangular Weeder

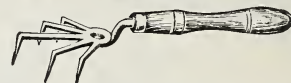
Same as Triangular Thinning Hoe but has a stub handle and blade 3 inches wide. No. 3-W, 60c.

### Baby Warren Hoes



Similar to the regular Warren Hoes, but for small hand cultivating. Each, 75c.

### Excelsior Garden Weeder



Has 5 claws or fingers that are useful in cleaning and pulverizing the soil as well as weeding. Each, 25c.

### Hazeltine Garden Weeder



A popular style of hand weeder, the blade forming a half square. Its peculiar shape permits a wide range of work. True Temper, 50c; Standard, 25c.

### Garden Cultivators



**INVINCIBLE PRONG CULTIVATORS.** Popular with small gardeners not justified in buying a wheel cultivator. Handle 4 1-3 feet. Adjustable teeth for desired width. Five teeth. Each, \$1.25.

**INVINCIBLE JR.** 3 teeth. 4-ft. handle. Each, \$1.00.

**INVINCIBLE MIDGET.** 3 teeth. 8-inch handle. Each, 75c.

### LADIES' FOUR-PIECE GARDEN SET

These tools are made from the same high grade material as the larger True Temper Tools. Especially popular with women and children. Set, \$3.25.

### Asparagus Knife

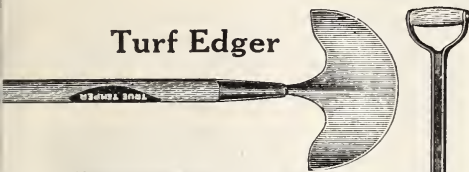


Made of polished cutlery steel. Double cutting edge. Also used as a weeder. Each, 50c.



## Garden Tools and Supplies

### Turf Edger



**TRUE TEMPER No. 40.** For trimming the edges about walks and drives. Made of high grade polished steel. 4 ft. handle. Each, \$1.50.

### Lawn Edgers

**PLANET JR.** A useful and handy tool to keep your lawn edges well trimmed along walks, flower beds, walls, etc. Light weight and easy to work with. Each, \$1.75.

### Weed Pullers

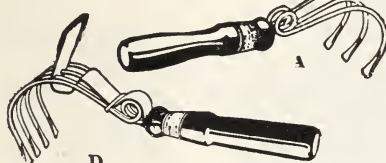
Push the tool down close below the roots at an angle of 95 degrees; then push toward the weed and pull up straight. Finished in black enamel with wooden Easy-Grip handle. Each, 75c.



### Dandelion Weeders

High quality steel. Made all in one piece. Will not bend. Each, 75c.

### Magic Weeders and Hoes Combined



Made of high quality tempered steel. Useful in loosening up the ground, pulverizing soil, light cultivating and weeding.  
Style A .....\$0.15  
Style B, 18" handle .....25  
Style D .....50

### Planting Dibble



For planting seeds, bulbs and transplanting small plants. Has a 5-inch cast iron point, ground smooth and bright. Natural finished maple handle fastened to the point with screws. Entire length 10 inches. Each, 75c.

### Cyclone Seeder

(Improved Model). This is an efficient and practical machine for sowing either seeds or fertilizer. Fits comfortably over the shoulder. Equipped with 1/2 bushel white duck bag, oscillating feed plate which prevents seed from clogging, and automatic adjustment for shutting off the flow of seed instantly. Each, \$2.00.

### American Garden Trowel



A wonderful steel tool of the best material and construction. Blade and socket one piece. Varnished hardwood handle riveted into socket. When you buy this trowel you will not need another for a long time. Each, \$1.00.

### ENGLISH PATTERN



Made of heavy steel but still light and durable. Each, 50c.

### Pruning Shears

**IMPORTED LION PRUNING SHEARS**  
This wonderful pruning shear is manufactured in Germany and is the best one on the market today. It is nickel plated all over and made of the finest quality steel. Many of the leading professional gardeners and horticulturists are using this pruning shear with complete satisfaction. Each, \$2.75.



### REISER PRUNING SHEARS

A shear that is favorably known the world over. Gives complete satisfaction and long usage. No. 531, \$2.50.

### LADIES' PRUNING SHEARS

Imported, small nickel-plated shears of high quality. Six inches long. Fine for roses and small shrubbery. No. 544, \$1.75.

### ECONOMY PRUNING SHEAR. Polished steel blades. Black handle.

Large .....\$0.75  
Small .....50



### CALIFORNIA PRUNING SHEARS

Tempered blades, fully polished handles. No. 1541, \$1.50.

### FLOWER GATHERING SCISSORS



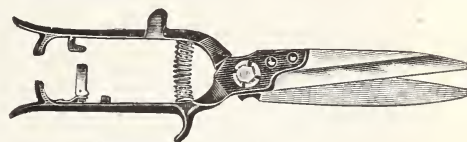
Nickel-plated. Holds the flower when cut. Finest quality. Each, \$1.75.

### DOOKLIP GRASS SHEARS



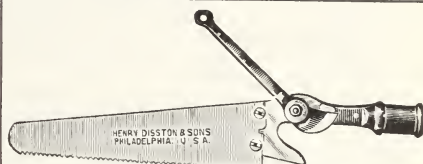
The shear that has out-sold all other makes in 1923. It is stronger, keener cutting, and easy to operate. Its natural up-and-down movement takes all the wrist-tire and finger-ache out of lawn trimming. No skinned knuckles when trimming close to walls, walks, trees, etc. New style Doo-Klip, \$1.25; Old Style Doo-Klip, 85c.

**SATISFACTION OR MONEY BACK**



### IMPROVED GRASS SHEAR

A wonderful tool for cutting grass and light vines. The handles are made to fit the hand. Easy to use—no tiring—no blisters. Each, 85c.



### TREE PRUNER AND SAW

The knife is operated with a cord and is reset automatically by a spring. Has a 12-inch plain toothed saw made by Disston. Straight blades. Each, \$3.00.



### HOOK AND SAW PRUNER

Has a 10-inch slender tooth, curved saw made by Disston. Made of crucible steel. Each, \$3.00.

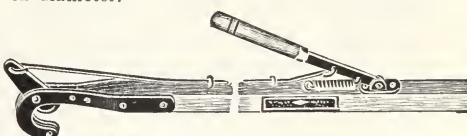


### PRUNING SAWS

16-inch, stationary handle, each .....\$1.50  
16-inch, adjustable handle, each ..... 1.75  
16-inch, curved, double edge, each ..... 1.75

### WATERS' TREE PRUNER

**WATERS' TREE PRUNERS.** A dependable tree pruner. Cuts limbs up to 1 1/4 inches in diameter.



8-ft. pole .....\$2.00  
10-ft. pole ..... 2.25  
12-ft. pole ..... 2.50  
Extra blades, each ..... 20

### Hotbed Sash

Made of selected Douglas Fir and glazed with special Hotbed Sash Glass. These frames are really strong and thoroughly made. Unpainted. Prices include crating charges, f. o. b. St. Louis, Mo.

**Standard Size:** 3x6 ft., with 4 rows of 7-inch glass. Weight 40 lbs. Each, \$5.75; 4 for \$21.00.

**Garden Size:** 4x6 ft., with 5 rows of 8-inch glass. Weight 55 lbs. Each, \$8.50; 4 for \$31.50.

### Hotbed Mats

A combination of heavy weight burlap felt and absorbent pulp, cemented together with a specially prepared waterproof compound. Absolutely impervious to rain, sleet and snow; proof against frost; repellent to rats and mice. Easy to handle and will last for years. 40x76 inches (for single frame). Each, \$2.85; per doz., \$28.75. 76x76 inches (for 2 frames). Each, \$5.00; per doz., \$50.00.



## Lawn Tools and Supplies

### Vigoro Spreaders

#### You Need This New Gardening Aid

Spreads Vigoro and seed evenly and accurately. Saves time and labor. Ideal for sowing on windy days. Designed for use on established lawns. Can be used on newly prepared soils if well firmed. Costs no more than a good garden spade.

Weight, 6 lbs. Has 14-inch spread. \$1.95 plus postage.

#### FOR LARGE AREAS USE ONE OF THE LARGER VIGORO SPREADERS

A size for every need. Will soon pay for itself in saving of time and labor.

Easy running, sturdy machines with a patented force-feed principle. Spread Vigoro, seed, salt, sand, and insecticides uniformly at any desired rate. Equipped with handle controlled shut-off.

Made in three sizes:  
Junior—14-in. spread, \$5.95.

Standard — 24-inch spread, \$10.45.

Special—36-in. spread, \$16.25.



### Eclipse Lawn Mowers

THE LIFETIME LAWN MOWER—INSTANT ADJUSTMENT—NO TOOLS REQUIRED

#### Practical Self-Sharpening Device

We have faith in every Eclipse Lawn Mower we sell. Knowing that the manufacturers put the best of material and workmanship into Eclipse Mowers, and stand behind their product, we can sell them to our customers with absolute confidence.

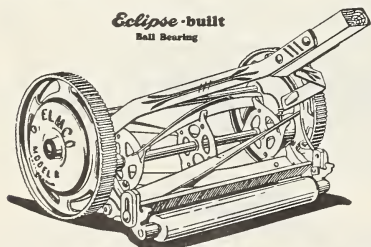
Eclipse Mowers have exclusive patents, privately owned, that are not found on lawn mowers of any other make—fourteen points of special merit. The self-sharpening and thumbscrew lever adjustment are alone worth your special consideration. You need no tools with an Eclipse.

#### PALMER'S SPECIAL "ECLIPSE MADE"

An economical but efficient and durable mower. Has 4 blades, 8-inch wheels, lower bar adjustment. Ball bearings.

14-inch blade .....\$ 9.50  
16-inch blade ..... 10.00  
18-inch blade ..... 10.50

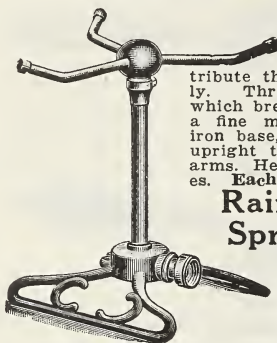
Eclipse-built  
Ball Bearing



**ECLIPSE MODEL B.** Five blades. Ball bearings, 10-inch wheels. Double internal protected gears. Cuts swath adjustable from 1/2 inch to 1 1/4 inches. Finished in silver and gold, green and black trim.

14-inch blade .....\$18.50  
16-inch blade ..... 20.00  
18-inch blade ..... 21.00

### Sprinklers



**3 - A R M SPRINKLERS.** Will cover a wide area and distribute the water evenly. Throws a spray which breaks and forms a fine mist. Made of iron base, red enameled upright tube and brass arms. Height 10 1/2 inches. Each, \$1.50.

#### Rain King Sprinkler

Will sprinkle a circle 8 feet to 70 feet across. Can also be adjusted to a stationary position.

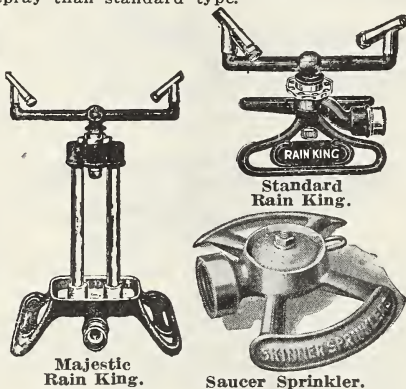
for watering shrubs, flower beds, etc. Nozzles, bushings and hand wheel are made of solid brass. Base and sprinkler arm made of heavy castings painted green.

Standard Rain King (range 4 to 45 feet).....\$3.50

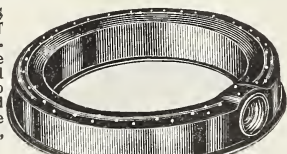
Majestic "A" Rain King. 15 inches high (range 5 to 50 feet) ..... 6.50

Majestic "B" Rain King. 24 inches high (range 5 to 50 feet) ..... 7.50

The "A" and "B" Majestic throw a higher spray than standard type.



**B R A S S R I N G L A W N S P R I N K L E R S.** Made of polished brass; top perforated with fine holes. Each, 75c.



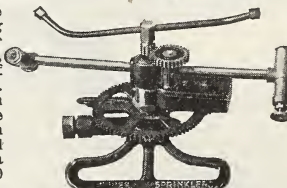
Brass Ring Sprinkler.

**HALF RING FOUNTAIN.** Similar to the above but is just a half-ring. Sprays in a semi-circle which avoids wetting walks, walls, etc. Each, 75c.

### Skinner Roto-Rain

Built to Last—Best for Large Lawns

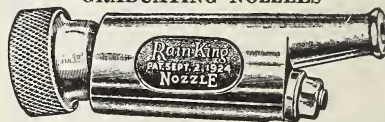
Here is the best revolving sprinkler for large lawns, fairways, golf greens, etc. Throws an adjustable spray from fine to full flow over a circle from 20 to 80 feet. Revolves slowly insuring better water distribution and less wear. The Roto-Rain Sprinkler is built to last, combining to an unusual degree, expert workmanship and high quality materials. Each, \$15.75.



### DOUBLE ROTARY SPRINKLER

Sprinkles evenly and thoroughly under any water pressure over 25 lbs. Adjustable to a fine spray or shower-like drops. Coverage up to 80 feet in diameter. Used largely by golf courses, parks and estates. \$12.50. Junior Double Rotary, \$7.50.

### GRADUATING NOZZLES

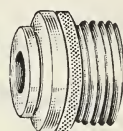


**RAIN KING.** Easy to adjust from finest spray to long stream. Will last a lifetime.

**GEM.** Made of polished brass. Adjustable to throw a solid stream, light spray or shut off. Each, 90c.

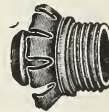
**RAINMAKER.** Similar to Gem but of cheaper construction. Each, 50c.

### Hose Couplings



**RAIN KING HOSE COUPLINGS.** Made of solid brass. Instantly connects hose to faucet or nozzle by simply slipping one-half into the other. Each, complete, 60c.

**PERFECT CLINCHING COUPLINGS.** Adjusts to any thickness of hose. Length 2 1/2 inches. Please specify for what size hose when ordering. Each, 25c.



### SCOLLAY RUBBER SPRINKLERS

For sprinkling cut flowers, ferns, plants, seedlings, etc. Has a big rubber bulb which ejects the water in a fine spray when pressed. Capacity 8 ounces.

Straight neck .....\$1.25  
Angle neck ..... 1.25

### PALISADE GARDEN HOSE

Made from the highest grade of rubber. Strong, durable, flexible and will not kink. Has thick, seamless rubber lining and tough rubber cover, making it absolutely leakproof. Corrugated surface. We can supply any length and will fit with couplings if requested.

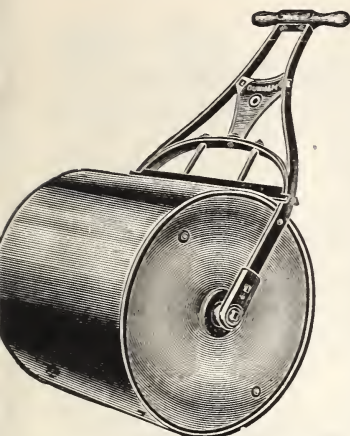
1/2 inch—per ft. ....\$0.13  
3/4 inch (standard)—per ft. .... .14  
1 inch—per ft. .... .15

### BERGHMAN LAWN MOWER SHARPENERS



A high-grade durable lawn mower sharpener, easy to use and adjustable to all types and makes of machines. A hundredfold better than a file—no danger of making low spots in the blades. Each, \$1.00.





DUNHAM LAWN ROLLERS

## Pennsylvania Rotary Lawn Rake

The flexible wire rakes of this machine will remove from the lawn all cut grass, leaves, trash and all sorts of litter, leaving the grass standing upright and free from rubbish. Operates by suction created by three revolving rakes (or brushes) on the same principle as a vacuum cleaner. For Tennis Courts, Golf Greens, sidewalks and other smooth surfaced places, brushes are used.

Width 24 inches. Shipping weight 110 lbs.  
Equipped with rakes .....\$35.00  
Brushes, extra ..... 8.00

## Dunham Lawn Rollers

### Water Ballast—Roller Bearing

The Dunham is the best roller on the market. Can be made as heavy or as light as wanted simply by putting in the right amount of water. Made of heavy steel plate, scientifically welded, has steel handles and rounded edges. Built to last a lifetime.

	Roller WB 5	Bearing WB 7	Bearing No. 2
Diam. ....	18 in.	24 in.	14 in.
Length ....	24 in.	24 in.	24 in.
Weight Empty. 35 lbs.	110 lbs.	68 lbs.	
Weight Full ..265 lbs.	420 lbs.	175 lbs.	
Price .....	\$18.00	\$21.00	\$12.50



PENNSYLVANIA ROTARY LAWN RAKE

Write for  
Complete  
Catalog

# Planet Jr. Garden Tools

The Best  
Garden Tools  
in the World

## No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

This tool combines in a single convenient implement, a capital hill-dropping seeder, a continuous row seeder, single wheel hoe, an excellent furrower, a capital wheel cultivator and a rapid and efficient wheel garden plow. In a word, with a great variety of tools, excellent in design and quality, it is without an equal for easy adjustment, lightness, strength and beauty. It is a practical, every-day time, labor and money saver. Holds  $2\frac{1}{2}$  quarts of seed. Weight 49 pounds. Price, complete, \$18.00; as a seeder only, \$14.25.



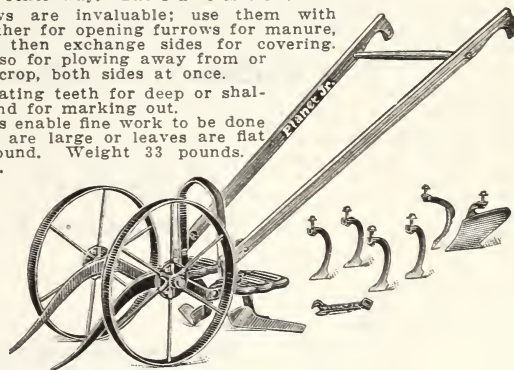
## No. 12 Double Wheel Hoe, Cultivator and Plow

The Planet Jr. Double Wheel Hoes are the greatest cultivating tools in the world for the onion grower, and also garden crops from drilled seed. They do more and do it better and easier than can be done in any other way. The frame is steel.

The plows are invaluable; use them with points together for opening furrows for manure, seeds, etc., then exchange sides for covering. Use them also for plowing away from or toward the crop, both sides at once.

The cultivating teeth for deep or shallow work, and for marking out.

Leaf lifters enable fine work to be done when plants are large or leaves are flat on the ground. Weight 33 pounds. Price, \$10.75.



## No. 11 Double Wheel Hoe, Cultivator and Plow

It is similar to No. 12, but includes  $4\frac{1}{2}$ -inch hoes and rakes, which make an added improvement. Price, \$13.75.

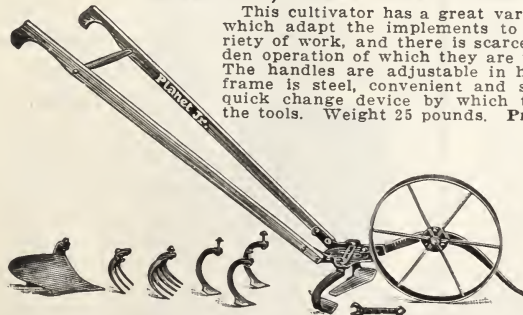
## No. 13 Double Wheel Hoe

This tool has 6-inch hoes only, these being the tools that are most generally useful. The hoes are the most valuable of all the wheel hoe attachments; are oil tempered and polished. Weight 27 lbs. Price, \$8.00.



## No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake and Plow

This cultivator has a great variety of tools which adapt the implements to a large variety of work, and there is scarcely any garden operation of which they are not capable. The handles are adjustable in height. The frame is steel, convenient and strong, with quick change device by which to exchange the tools. Weight 25 pounds. Price, \$9.00.



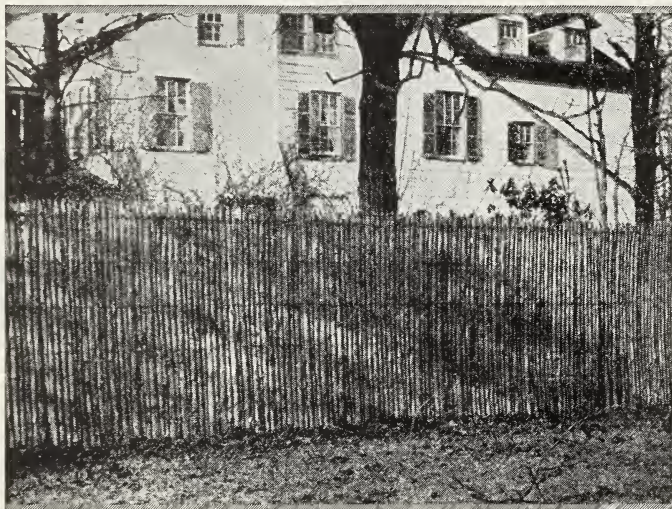
## No. 17 Single Wheel Hoe

Identical with No. 16, but does not include rakes and leaf lifter. Price, \$7.75.



## Garden Supplies

### DuBois Woven Wood Fence



DuBois Woven Wood Fence is made by hand in France of live, split chestnut saplings bound together with copper-covered, rust-proof wire. Six heights from 18 inches to 10 feet provide for any fencing need.

DuBois harmonizes with any type of architecture due to its natural rustic appearance. It adds to the appearance of any property, while serving a multitude of practical screening and protective uses. Vines cling to it easily and need never be torn down, as DuBois requires no paint. DuBois is very economical, as its first cost is the last. It makes the perfect garden background as it forms a windbreak for plantings and an all-year screen that preserves seclusion when trees are bare. Quaint gates come to match, either single or double, with straight or curved tops.

#### DuBois Woven Wood Fence

Height	Shipping Weight	Price
	5-ft. Section	per Ft.
18 inch	17½ lbs.	\$0.75
3 feet 10 inches	40 lbs.	1.45
4 feet 11 inches	50 lbs.	1.65
6 feet 6 inches	60 lbs.	1.95
8 feet	85 lbs.	2.45
10 feet	100 lbs.	2.85

#### DuBois Cleft Fence

Height	Shipping Weight	Price per Ft.
	(16-Ft. Roll)	Wire Binding Galv. Copper
3 feet 10 inches	125 lbs.	\$0.50 \$0.65
4 feet 11 inches	150 lbs.	.65 .80
6 feet 6 inches	170 lbs.	.90 1.10

#### Woven Wood Gates

(Curved or Straight Top)

Height	Shipping Weight	Price Each
	Single Double	Single Double
3 feet 10 inches	45 lbs. 210 lbs.	\$18.50 \$40.00
4 feet 11 inches	60 lbs. 250 lbs.	19.50 42.50
6 feet 6 inches	75 lbs. 300 lbs.	21.50 45.00
8 feet	90 lbs. 365 lbs.	26.50 52.50
10 feet	120 lbs. 450 lbs.	29.50 60.00

All Single Gates are 3 ft. wide; Double Gates 10 ft. wide. Gate prices include hardware.

#### Cleft Gates

(Curved or Straight Top)

Height	Shipping Weight	Price Each
	Single Double	Single Double
3 feet 10 inches	45 lbs. 155 lbs.	\$12.00 \$30.00
4 feet 11 inches	60 lbs. 170 lbs.	13.50 32.50
6 feet 6 inches	75 lbs. 185 lbs.	15.00 35.00

All Single Gates are 3 ft. wide; Double Gates 10 ft. wide. Gate prices include hardware.

#### Framework for DuBois Fence

Genuine mortised and tenoned chestnut framework for DuBois Fence is sold at 40c per running foot, including rails and posts. Thus, the framework for 100 ft. of fence costs \$40.00.

However, it is recommended that DuBois users in the West make their framework of 4x4 Cedar Posts and 2x4 Rails, which are obtainable at their local lumber yard. This framework averages about 20c per running foot.

All DuBois Fence is sold f. o. b. New York, freight rates less car lots, \$1.10% per cwt.; car lots, 66c.

### Plant Supports

#### JAPANESE BAMBOO STAKES

Used for staking plants in greenhouses and in the garden. Round, painted green.

Size	Doz.	100
1½ ft. height	\$0.10	\$0.40
2 ft. height	.15	.60
3 ft. height	.20	.90
4 ft. height	.25	1.00
6 ft. height (natural)	.30	1.25

#### CHINESE TONKIN CANES

Heavy Bamboo, ½ in. x ¼ in.	Doz.	100
6 ft. height	\$1.00	\$7.00

#### CEDAR GARDEN STAKES

For Dahlias, Tomatoes and other tall growing plants. Painted green. Made of selected Cedar. Diameter, 1 inch.

4 ft. height	Doz.	100
	\$1.00	\$6.00
5 ft. height		
	1.50	9.00
6 ft. height		
	1.75	11.00

#### ADJUSTO PLANT SUPPORTS

A practical, very simple, unbreakable and low-priced support. Consists of a strong, green painted, wooden stake and a wire ring that can be adjusted to any height, and will last a lifetime. Complete with wires.

#### PRICES COMPLETE WITH RINGS

Height	Doz.	Height	Doz.
1½ feet	\$1.20	4 feet	\$3.00
2 feet	1.50	5 feet	3.60
3 feet	2.40	6 feet	4.20

#### PRICES OF STAKES ONLY

Height	Doz.	Height	Doz.
3 feet	\$1.20	5 feet	\$1.80
4 feet	1.20	6 feet	2.40

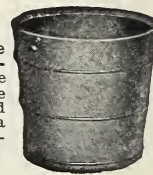
#### TIMESAVER PLANT SUPPORT

We consider this the most serviceable plant support to date. It consists of a round cold drawn galvanized sliding clip, and a loop of Java fiber—dyed green. This plant support is very easy to manipulate, can be adjusted to any height, looks neat in the garden, will last indefinitely and is inexpensive. The larger stakes are made of thicker steel, in comparison to the size. Write for circular.

Height	Doz.	Height	Doz.
2½ feet	\$0.95	4 feet	\$2.20
3 feet	1.15	5 feet	2.75
3½ feet	1.60	6 feet	3.05

### Richmond Style Cedar Tree Tubs

These tree tubs are made of seasoned selected Virginia White Cedar and are bound with electric wire hoops. They are painted with the best oil paints, a handsome green color, inside and out.



Number	Diameter	Depth	Each
	Inside Top	Inside Bottom	
1	6 in.	6 in.	\$0.55
3	8 in.	8 in.	.75
4	9 in.	9 in.	.80
5	10 in.	9 in.	.95
6	11 in.	10 in.	1.25
7	12 in.	11 in.	1.40
8	13 in.	10 in.	1.75

Ask for Prices on Larger Sizes.

### New York Style Cedar Tree Tubs



Made of seasoned selected Virginia White Cedar, trimmed with specially designed metal feet, and hooped with heavy steel hoops, and metal handles. They are painted dark green outside, dull gray inside.

Number	Diameter	Depth	Each
	Inside Top	Inside Bottom	
1	12 in.	10½ in.	\$2.15
2	13 in.	12½ in.	2.80
3	14½ in.	14½ in.	3.45
4	19½ in.	16½ in.	4.90
5	22½ in.	18½ in.	6.40

Ask for Prices on Larger Sizes.





## Flower Pots

### RED EARTHENWARE FLOWER POTS

Cannot be sent by mail. Express and freight only. Write for special quantity prices.

Smooth and Uniform—  
Very Best Quality

Size	Each	Doz.	100
2-inch	\$0.02	\$ .22	\$ 1.50
3-inch	.03	.35	2.50
4-inch	.05	.50	3.50
5-inch	.07	.80	6.00
6-inch	.10	1.05	8.00
7-inch	.20	1.80	13.00
8-inch	.25	2.50	17.00
9-inch	.45	4.00	
12-inch	.50	5.75	
14-inch	.90	10.00	
14-inch	1.50		

### RED EARTHENWARE FERN POTS OR ¾ POTS

Size	Each	Doz.	100
4-inch	\$0.05	\$ .50	\$ 3.50
5-inch	.07	.80	6.00
6-inch	.10	1.05	8.00
7-inch	.20	1.80	13.00
8-inch	.25	2.50	17.00
9-inch	.45	4.00	
10-inch	.50	5.75	

### RED EARTHENWARE BULB PANS OR ½ POTS

Size	Each	Doz.	100
4-inch	\$0.05	\$ .50	\$ 3.50
5-inch	.07	.80	6.00
6-inch	.10	1.05	8.00
7-inch	.20	1.80	13.00
8-inch	.25	2.50	17.00
9-inch	.45	4.00	
10-inch	.50	5.75	

### RED EARTHENWARE FLOWER POT SAUCERS

Size	Each	Doz.	100
3-inch	\$0.03	\$ .35	\$ 2.50
4-inch	.05	.50	3.50
5-inch	.06	.65	5.00
6-inch	.10	1.00	7.00
7-inch	.15	1.30	10.00
8-inch	.20	1.80	13.00
9-inch	.30	3.00	
10-inch	.45	4.00	
12-inch	.75	7.50	

## BIRD'S IMPROVED NEPONSET FLOWER POTS

Made of heavy water-proof paper. When setting out your plants, the pot can be immersed in the soil, where it will rot away in a few days. Thus the root system is not interfered with, in transplanting.

	Doz.	100	1000
2 ¼-inch	\$0.10	\$0.50	\$ 4.35
2 ½-inch	.10	.60	4.85
3-inch	.18	.80	6.25
3 ½-inch	.20	1.00	7.90
4-inch	.25	1.30	10.20
5-inch	.30	2.00	15.00
6-inch	.50	3.00	20.00

## Plant Labels

### WOODEN POT AND GARDEN LABELS (Painted)

Note: Our pot labels are painted to facilitate writing. Do not confuse with low-priced unpainted labels.

	100	1000
4-inch	\$0.40	\$ 2.50
5-inch	.50	2.75
6-inch	.60	3.50
8-inch	.75	5.50
10-inch	1.00	8.00
12-inch	2.00	16.00

### WOODEN COPPER WIRED TREE LABELS (Painted)

	100	1000
3 ½-inch	\$0.45	\$ 3.00

### PYRALIN PLANT AND TREE LABELS (Du Pont)

Durable and lasting. Will stand all weather. Just inscribe the name of the plant with water-proof ink and you have a neat, legible label that will last indefinitely.

Tree labels (copper wire attached)	100	1000
Pot labels (4-inch)	\$0.75	\$ 6.00
	.50	4.00

### BEACON PLANT MARKERS

The strongest plant marker on the market. Heavy galvanized stake with oval name space at top. Shape on an angle for easy visibility.

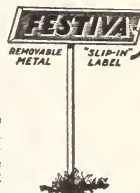
	Doz.	100
9-inch galvanized	\$0.50	\$ 3.50
9-inch zinc	.90	6.00
19-inch galvanized	1.25	8.00
19-inch zinc	1.60	11.00

SPECIAL BEACON INK. 50c bottle.



### COPPER TREE AND SHRUB LABELS

Write the name on the copper with a pointed metal stylus. The scratched surface corrodes and you have a permanent label. Box comes complete with stylus.



With 10-inch copper stake	100	\$2.50
With 15-inch copper stake	100	3.00

### INDESTRUCTO GARDEN LABEL

Metal, 15-inch stake with holder. Interchangeable metal label. Price, \$3.00 per doz.; \$24.00 per 100.

WEATHERPROOF PENCILS. For using on pot and garden labels. 25c each.

WEATHERPROOF INK. 40c per bottle.

## Raffia, Twines, Etc.

RAFFIA. Extra strength. For tying plants, shrubs or trees; also for grafting and basket making.

Natural Color: Skein, 10c; ¼ lb., 15c; 1 lb., 45c.

Dyed Green: Skein, 15c; ¼ lb., 40c; 1 lb., \$1.25.

CELERY TAPE. No. 21. Red or blue. 1000-yd. spool, \$3.50.

TOMATO TWINE. (No. 1 Jute). 2- or 3-ply. 1 ball (½ lb.), 15c; per lb., 20c; 5 lbs., 80c.

BUNCHING TWINE. (No. 1 Cotton). 3-, 4- or 6-ply. Per lb., 30c; 5 lbs., \$1.25.

SILKALINE FLORISTS' THREAD. 2-oz. spool, 40c; 1-lb. box (8 spools), \$3.00.

## Wire Hanging Baskets

Size	Each
8 inches diameter	\$0.30
10 inches diameter	.35
12 inches diameter	.45
14 inches diameter	.60

## Sphagnum Moss

Used for filling wire hanging baskets or for mixing with potting soil. 1 lb., 15c; bale (about 20 lbs.), \$1.75.

# Sprayers and Dusters

## Hudson Perfection No. 110

Capacity 4 gallons.

A high pressure compressed air sprayer which can be adapted to many uses. In addition to its principal use for spraying orchards, vineyards, greenhouses and truck gardens, it is also adapted for applying whitewash, cold-water paints, floor oils, etc.

The tank, measuring 7 ½ inches in diameter and 20 inches high, is made of heavy galvanized or brass sheets, riveted and soldered. Capacity 4 gallons. Tested under actual working conditions before leaving factory.

The pump cylinder is made of seamless brass tubing 1 ¾ inches in diameter and 15 ½ inches long, combining simplicity, strength and service. Comes equipped complete with 24 inches of 5-ply special spray hose, 1-foot brass extension rod, and automatic shut-off nozzle that works perfectly under any pressure. The angle nozzle enables the operator to easily reach low-lying plants, under surface of leaves, and all parts of trees, shrubs and plants. Shipping weight 12 lbs. No. 110-G (galvanized), \$6.50; 1-ft. brass extension rod, 50c.

No. 110-B (brass), \$9.75; 2-ft. brass extension rod, 65c.

## Hudson Junior No. 140

Capacity 2 ½ gallons.

Made for the gardener who needs a high pressure sprayer of small capacity. Particularly adapted for the back yard garden, small truck farm and greenhouse. Patterned after the Hudson Perfection, it is a well made, substantial sprayer tested under actual working conditions at the factory.

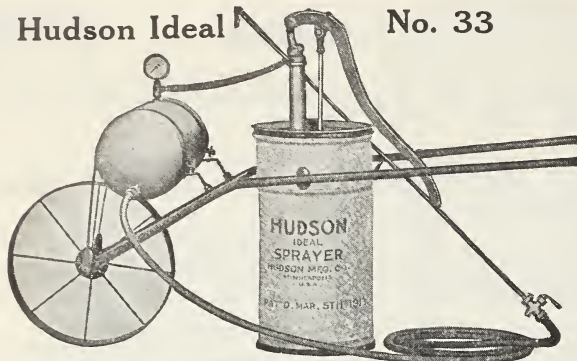
Tank measures 6 ½ inches in diameter and 17 inches high and is made of first quality galvanized or brass sheets. The pump is seamless brass tubing 1 ¾ inches in diameter and 15 ½ inches long, completely equipped with 24 inches of heavy 5-ply hose, 1-foot brass extension rod and "Perfection" automatic shut-off nozzle. Shipping weight 9 pounds.

No. 140-G (galvanized), \$4.50. 1-ft. brass extension rod, 50c. No. 140-B (brass), \$7.00. 2-ft. brass extension rod, 65c.





## Hudson Ideal No. 33



The Hudson Ideal outfit is equipped with a reserve air pressure of 270 pounds. This enables the operator to stop pumping and spray several minutes before further pumping is necessary. One man can operate it alone.

Equipped with our regular No. 4 Barrel Pump. Tank made of heavy copper-bearing galvanized or brass sheets, reinforced at top and bottom with channel iron hoops. Capacity 15 gallons. Air tank tested at factory under 275 lbs. pressure, fitted with gauge reading to 200 pounds. Wheels 18 inches in diameter. 2½-inch tire, light, strong and rigid.

Discharge equipment includes 6 feet of ¾-inch heavy spray hose, 4-foot ¼-inch iron pipe extension, Ideal angle nozzle and leakless shut-off. Shipping weight 105 pounds.

No. 33—Ideal, with galvanized tank .....\$35.75  
No. 33-B—Ideal, with brass tank ..... 44.75

## Hudson Sunshine Sprayer No. 36S

(Wheelbarrow Type)

Capacity 12½ gallons.

Designed for spraying greenhouses, nurseries, small orchards, vineyards, trees and flowers. Also

for spraying white-wash and disinfectants in barns and

poultry houses. Can be transported through narrow openings and in close quarters and on hillsides and uneven ground without tipping.

The tank is heavy galvanized steel sheet reinforced by heavy steel wire rolled into the top edge and beading

through the body. Capacity 12½ gallons. Wheels 16 inches in diameter, with 1½-inch rim; strong and sturdy. Completely equipped with 5 feet of heavy, 5-ply, ¾-inch hose; 2-foot brass extension, and Ideal angle spray nozzle. Shipping weight 42 pounds. Complete, \$15.60.

## Bucket Pump No. 122

An efficient sprayer for fruit trees, gardens and shrubbery; for whitewash, disinfectants and insecticides. Double acting and continuous, developing 105 lbs. pressure. A convenient portable outfit that can be used with a bucket or tank. All brass except handle and footrest. Nozzle discs are reversible or removable, producing a spray from the very finest to a solid stream. Cylinder 1¼ inches in diameter, 19 inches long with seamless brass tubing. Comes equipped with 3 feet of ¾-inch hose, 12-inch extension and fog nozzle. One of the most serviceable pumps on the market. Shipping weight 9 pounds. \$3.60.



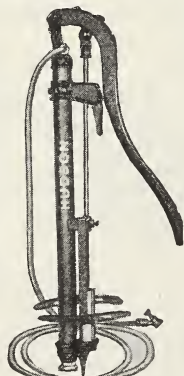
No. 122.

## Hudson Ideal Barrel Pump No. 4SA

Will meet all requirements. Powerful, light and durable. Maintains a continuous working pressure of 200 pounds. Has solid brass cylinder tubing, 1¼ inches in diameter and 6 inches long, in a steel chamber 2 inches in diameter and 30 inches long. This is one of the best pumps made and we recommend it highly.

Comes equipped with 6 feet of 5-ply, ¾-inch hose and 4-foot extension rod with angle nozzle. Shipping weight 33 lbs.

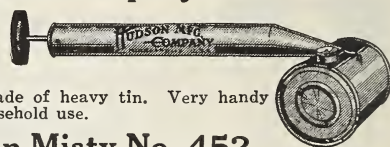
Complete, \$13.75. Pump only, \$9.75.



No. 4SA.

## Liquid Hand Sprayers

We have an assortment of inexpensive, single acting hand sprayers that will handle all of the regular spraying materials rapidly and effectively. Made of heavy tin. Very handy for small gardens, and household use.



## Hudson Misty No. 452

Capacity 1 quart.

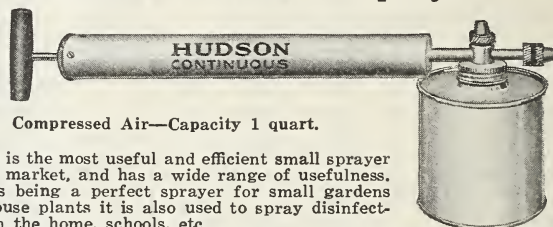
Of sturdy appearance and construction, which combines strength, simplicity and neatness. Heavy tin, 50c. Brass, 65c.

## Hudson Midget No. 202

Capacity ¾ pint.

Like the Hudson Misty but smaller. A small, well made sprayer for general purposes, especially suited for household use. Will handle all kinds of liquids. Made of first quality tin carefully tested. Each, 30c.

## Hudson Continuous Sprayer



Compressed Air—Capacity 1 quart.

This is the most useful and efficient small sprayer on the market, and has a wide range of usefulness. Besides being a perfect sprayer for small gardens and house plants it is also used to spray disinfectants in the home, schools, etc.

The pump and tank are made of heavy tin or brass, lock seamed and thoroughly soldered throughout. This is a well made sprayer that will last a long time and prove very useful.

No. 407—Galvanized .....\$1.00  
No. 407-B—Brass ..... 1.65

## Glass Jar Sprayer No. 427

A continuous sprayer holding about 1 quart.....Each, \$1.00.

## Hudson Trombone Sprayer

A high pressure pump adapted for spraying orchards, vineyards, shrubbery and all general spraying. Also used extensively for whitewashing, disinfecting, etc. It is double acting and continuous, maintaining a steady discharge with little effort on the part of the operator. Can accommodate 30 feet of hose and will spray any tree with the use of a platform. Will throw a steady stream 50 feet high. Cylinder, air chamber and all parts made of brass. Equipped with 3 feet of ¾-inch hose, intake pipe and strainer, weighted so as to remain in barrel or bucket during use. Fog nozzle with reversible disc. Shipping weight 3 pounds.

No. 123 Trombone Sprayer, \$4.00.

## Extension Spray Rods

No. 171. 1-ft. iron rod .....\$0.35	No. 173. 3-ft. iron rod .....\$0.50
No. 171-B. 1-ft. brass rod ... .50	No. 173-B. 3-ft. brass rod ... .75
No. 172. 2-ft. iron rod ..... .40	No. 174. 4 ft. iron rod ..... .60
No. 172-B. 2-ft. brass rod ... .65	No. 174-B. 4-ft. brass rod ... .90

## Heavy Spray Hose

Standard 5-ply, ¾-inch high pressure ..... 20c per foot

## Bamboo Spray Pole

Recommended for all work where an extension rod longer than 4 feet is necessary. Has one piece brass lining locked to the bamboo pole at both ends. Fitted with adjustable brass drip shield and stop cock.

No. 42—8-ft. pole with stop cock, \$4.00. No. 44—10 ft. pole with stop cock, \$4.50. No. 46—12-ft. pole with stop cock, \$5.00.

## Hudson Spray Nozzles

No. 176. Shut off valve and nozzle .....\$1.50	
No. 166. Straight fog nozzle ..... .75	
No. 168. Angle fog nozzle ..... .75	
No. 164. Double fog nozzle ..... 2.00	
No. 60. Straight Ideal nozzle ..... 1.00	
No. 61. Angle Ideal nozzle ..... 1.00	
No. 64. Double Ideal nozzle ..... 2.50	
No. 71. Bordeaux nozzle ..... 1.00	
No. 178. Two row attachment ..... 2.10	
No. P-8. Hose with clamps. No nozzle ..... .50	
No. PX9. Hose, nozzle, extension rod with clamps attached ..... 2.25	



No. 60.



No. 71.



No. P-8 Hose.



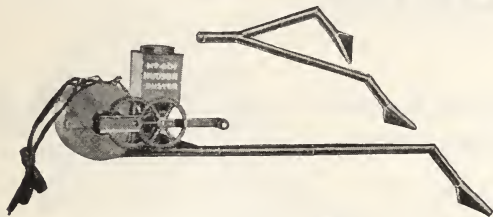
No. 166.



No. 168.



## Hudson Crank Duster No. 604



### TRUCK GROWERS SPECIAL Capacity 5 to 10 pounds.

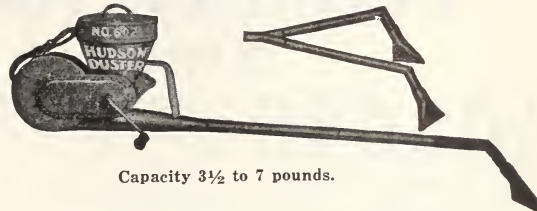
Develops an unusually powerful air blast. Adapted for handling all kinds of insecticides and fungicides, and is widely used for potatoes, tomatoes, melons, cabbage and other truck crops. Also for vines, shrubs and small trees. Will not choke or clog. Made throughout of lead-coated steel, neatly painted and finished, and of the finest workmanship. Gear case is oil and dust proof, yet easily accessible. Discharge equipment consists of 2 nozzles, 2 elbows, a "Y" connection and four 15-inch tubes. Can be used for dusting 2 rows or 1 row, and above and below plants. This is a real outfit for market gardeners. Weight 14½ pounds. Complete, \$13.50 each.

## Hudson Cadet Duster



Useful for dusting all insect powders. Because of its size and efficiency it is a favorite with housewives for applying roach and various bug powders. Made of heavy tin and well constructed. Each, 45c.

## Hudson Crank Duster No. 603



Capacity 3½ to 7 pounds.

Designed to meet the ever increasing demand for a dependable duster at a reasonable price. Can be used for all classes of work, handling Paris Green, Arsenate of Lead, Lime-Sulphur and other dusts very efficiently. Sturdily built of heavy tin plate. Does not clog. Powder reservoir holds more than one quart and is easily filled through 3-inch top opening. Can be set to regulate volume of discharge.

Equipped with three 14-inch tubes, two elbows, one "Y" or two-way connection and one adjustable carry strap. Shipping weight 10 pounds. Complete, \$9.50 each.

## Hudson Major Duster

Cyanogas Gun.

A dependable duster for the home garden and small truck plats. Handles Paris Green, Arsenate of Lead, and similar poison very efficiently. The pump is 2¾ inches in diameter and 9 inches long; powder chamber 5 inches long. Discharges a uniform volume of powder without clogging. Equipped with two 12-inch, heavy tin extension pipes, enabling operator to reach low-growing plants easily. Each, \$1.00.

# Loma

Beautifies Lawns and Gardens

To build up a lawn you can be proud of, use Loma—the scientific plant food. Loma is rich in potash, phosphate and nitrates—just the food elements your lawn or garden needs. Loma promotes deep root growth—makes the grass so sturdy it won't burn out quickly in the summer sun, so thick that it actually crowds out the weeds. Loma is odorless, clean—many times more powerful than barnyard manures. Just sow it over the lawn like grass seed. Then wet it down.

A 5-lb. package fertilizes a 10 x 10 ft. plot.

**FLOWER BEDS.** Broadcast 2 to 3 handfuls on a plot 3 feet by 3 feet, and work into the soil with a rake. Wet down thoroughly. Be sure to wash all the Loma off the foliage by thorough sprinkling.

**GARDENS.** Broadcast with a sifter, 4 to 5 pounds of Loma on a plot 10 feet by 10 feet. Work well into the soil by raking.

**NOTICE.** In all cases after applying Loma, wet down the treated areas immediately and thoroughly. Avoid putting Loma on foliage or in direct contact with stalk of plant when using on flowers, gardens and potted plants.

### PRICES:

1-lb. package for house plants .....	\$0.25
5-lb. package .....	.50
10-lb. package .....	.85
25-lb. package .....	1.75
50-lb. package .....	3.00
100-lb. package .....	5.00

(Never Sold in Bulk)

## MILORGANITE

An effective plant food of organic nature; free of weeds and containing all elements for the proper development of plants. Especially recommended for grass. 100 lbs., \$4.00.



### PEAT MOSS AND DEHYDRATED COW MANURE COMBINED

Sterile—Odorless—Free of Weeds—An Ideal Soil Conditioner

Ready-to-use turf and garden dressing, which is made of materials of the best quality. The ingredients are just manure from high protein fed cows and quality peat moss functioning as a humus making material and a reservoir for soil moisture. The composition is about thirty-five parts of peat moss and sixty-five parts cow feces—no straw, shavings or trash. It analyzes almost equivalent to a 2-1-2 fertilizer, embodying the desirable properties of humus. Application: When seeding rich soils work in about one-third bag (15 lbs.); poor soils, two-thirds of a bag. As a top dressing on gardens and lawns use one bag to 400 square feet. 50-lb. bag (about 3 bus.), \$2.50.



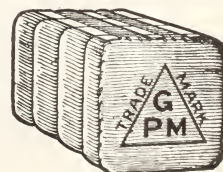
## Imported Granulated Peat Moss

**FOR LAWNS.** Apply Peat Moss on lawns in early spring or late fall. It will hold the moisture at the roots of the grass and prevent souring. In the fall cover the lawn with one-half inch of Peat Moss. It will be assimilated by spring. If fall covering has been neglected apply a light application in the spring and occasionally during the summer. One bale will cover 480 square feet one-half inch thick.

**FOR GREENHOUSES.** Peat Moss makes the soil light, assures good drainage and helps the delicate roots to radiate quickly. Does not feed or overstimulate. Prevents the formation of a hard crust. Cuttings root rapidly in this material, or a mixture of Peat and sand.

**FOR MULCHING.** A mulch 4 or 6 inches deep on fall bulbs is beneficial. As a summer mulch for roses, cannas, peonies, dahlias, etc., Peat Moss assures constancy of moisture supply and makes for perfect development.

10 lbs. ....	\$0.50
25 lbs. ....	1.00
50 lbs. ....	1.75
½ bale ....	2.00
1 bale ....	3.50
5 bales—per bale ....	3.25
10 bales—per bale ....	3.00





# Fertilizers for Gardens and Lawns

## VIGORO

*Specially prepared plant food*

A complete Plant Food. Especially prepared plant food that furnishes grass, trees, shrubbery and flowers the plant food elements necessary for maximum growth and flowering. It

is free from dust, has no unpleasant odor and is easy and pleasant to apply.

Vigoro is a superior combination of plant foods that meets nature's most exacting requirements. It is completely balanced in every sense of the word. When Vigoro is used, no supplementary substances such as bone meal, potash, liquid manure, etc., are required.

For Lawns. Apply Vigoro early in the spring, when the grass first starts to turn green, at the rate of 4 lbs. to 100 square feet. It should be spread evenly and wet down at once.

5-lb. pkg., 50c; 25-lb. bag, \$1.75; 50-lb. bag, \$3.00; 100-lb. bag, \$5.00.

## Black Beauty Humus

Prepared from deposits of decayed vegetable matter.

Inert and free of weeds and disease. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.00.

## Bone Meal

An excellent top dressing for lawns and an effective fertilizer for use in gardens, vineyards and orchards. Can be used around shrubs and in flower beds without danger of burning the plants. Apply 800 pounds to 1000 pounds per acre. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.50; 100 lbs., \$3.00; 500 lbs., \$12.50.

## Hardwood Ashes

Valuable for its high potash content. Excellent for mixing with potting soil and as a lawn and garden fertilizer. 10 lbs., 50c; 50 lbs., \$1.50; 100 lbs., \$2.50.

## Palmer's Vegetable Fertilizer

A good general fertilizer for vegetable gardens that will produce bigger yields and better quality crops. 100-lb. bags only, \$3.00; 500 lbs., \$2.50 per 1000 lbs.

## Hydrated Lime

Sweetens the soil and corrects acidity, making plant food elements more available. Excellent for lawns, apply 1 ton per acre. 10 lbs., 35c; 50 lbs., 90c; 100 lbs., \$1.70.

## Sulphate of Ammonia

A valuable fertilizer for all plants in which rapid growth or large leaf development is desired. Produces quick results. Analysis shows 25% ammonia. Used largely as a top dressing for Bent lawns. Use 100 pounds to the acre. Lb., 15c; 10 lbs., 85c; 50 lbs., \$2.50; 100 lbs., \$4.50.

## Muriate of Potash

A highly concentrated form of potash of especial value for potatoes, corn, grain and all root crops. Also used as a filler for other fertilizers. Apply 100 to 150 pounds for an acre. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.00.

## Nitrate of Soda

As a top dressing use at the rate of 100 lbs. per acre between the rows when the plants are well established, on the following vegetables: Cabbage, Cauliflower, Eggplant, Lettuce, Spinach, Beets, Celery and Onions. For Asparagus, a top dressing of 250 lbs. per acre when the young shoots are starting in the spring. For Strawberries, apply between the rows at the rate of 100 lbs. per acre at the time of blossoming. For the home garden, apply a solution of one ounce to two gallons of water. 1 lb., 15c; 2 lbs., 25c; 10 lbs., \$1.00; 25 lbs., \$1.60; 50 lbs., \$2.50; 100 lbs., \$4.50.

## Dried Blood

This is used a great deal for indoor culture of flowering plants, being chiefly of nitrogen content. For roses, carnations and chrysanthemums it is very valuable. Also used for mixing with soil and for liquid fertilizing. Lb., 15c; 10 lbs., \$1.10; 50 lbs., \$4.00; 100 lbs., \$6.50.

## Acid Phosphate

16% available phosphate. Used largely on vegetable and grain crops requiring great amounts of phosphoric acid. Apply 1000 pounds per acre. 5 lbs., 30c; 25 lbs., \$1.00; 100 lbs., \$2.75; 500 lbs., \$10.00.

## Wizard Brand MANURES

### PULVERIZED SHEEP MANURE.

The best, most convenient and economical natural manure. Safe for all particular uses, such as golf course, country club and park lawns, market gardens, etc., in which the introduction of weeds and foreign grasses would be extremely objectionable. It does not fill your lawn with noxious weeds; it is always ready and clean to use, also easy to apply. As a top-dressing for lawns broadcast about 100 lbs. per 2000 sq. ft., or 1 ton per acre. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 90c; 50 lbs., \$1.40; 100 lbs., \$2.50; 500 lbs., \$12.00.

**SHREDDED CATTLE MANURE.** Supplies plant food, humus and organic matter. Especially valuable for composting, mulching and top dressing. Splendid for roses, ferns or where a cool slow acting manure is wanted. 100 lbs., \$2.50; 500 lbs., \$12.00.

## Nitrophoska

The highly concentrated, complete plant food. Contains 15% Nitrogen, 30% Phosphate and 15% Potash. They are all soluble and easy to apply.

**FOR LAWNS AND GARDENS.** 5 to 10 pounds to each 100 square feet. Either apply dissolved in water or wash in with a hose immediately after broadcasting. It is also very effective when worked around shrubs and plants.

**FOR TRUCK GARDENS.** On Spinach, Mustard, and other broadcast crops use 200 to 400 pounds per acre, depending on the soil and other fertilizers in use. For side dressing crops like Cabbage, Tomatoes, etc., use 100 pounds per acre.

Lb., 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75; 50 lbs., \$4.75; 100 lbs., \$8.00; ton, \$120.00.

## Tobacco Stems

Both a fertilizer and insecticide. Used largely for mulching and fertilizing. In addition to the three basic plant foods it contains nicotine, which is of value in killing the larvae of many insects that live in the ground. Lb., 10c; 5 lbs., 40c; 10 lbs., 70c; 100 lbs., \$4.00.

## Sterilized Tobacco Stem Meal

A product combining the advantages of ordinary Tobacco Stems plus being sterilized. Economical, easy and safe to use. Excellent base for fertilizer mixtures—adds humus; builds up wornout soils; is readily decomposed. Carries an average analysis of 1½% to 2% Ammonia in organic form and 5% to 6% Potash, water soluble. Apply 100 pounds to 1600 sq. ft. as a lawn mulch and as a general soil conditioner. 100 lbs., \$2.00; 500 lbs., \$9.00; 1000 lbs., \$16.00; 2000 lbs., \$30.00.

## Make Artificial Manure with "Adco"

Converts leaves, grass-clippings, weeds, pea- and bean-vines, cornstalks, in fact, all refuse from the garden and lawn into real manure.

Simple and easy to make—Adco will do it for you in three months.

25-lb. bag (enough to make ½ ton manure) ..... \$ 2.00

100-lb. bag (enough to make 2 tons manure) ..... 7.75

150-lb. bag (enough to make 3 tons manure) ..... 10.50

A 25-lb. bag will treat about 12 wheelbarrow loads.



# Insecticides and Fungicides

## The Premier Seed Disinfectants

**SEMESAN.** This modern disinfectant can be applied in either the liquid or convenient dust form to prevent or control effectively a most diversified variety of diseases and fungous growths borne by seeds, bulbs, corms, roots, tubers, plants, grafts and soils. Semesan is harmless to plant life but extremely poisonous to disease and parasite organisms.

**SEMESAN JR.** A less expensive but equally effective form of Semesan for the dry dust disinfection of both field and sweet corn seeds against the ear, root and stalk rots.

**SEMESAN BEL.** Applied to whole or cut seed potatoes, either as a dry powder or a whitewash-like water mixture. Semesan Bel has caused in many cases better disease-control and greater yields of disease-free potatoes than any other treatment known.

**CERESAN.** This is the only dust disinfectant which has effectively controlled such grain diseases as stinking smut of wheat, stripe disease of barley, loose and covered smuts of barley and oats. It will not harm the seed or grain drill. Only 2 ounces required per bushel of wheat or rye, and 3 ounces per bushel of oats and barley.



### IN ALL PACKAGE SIZES

#### Prices for Du Pont Semesan

2 ozs. ....	\$ 0.50	25 lbs. ....	\$ 56.25
1 lb. ....	2.75	100 lbs. ....	220.00
5 lbs. ....	13.00		

#### Semesan Jr. and Semesan Bel

4 ozs. ....	\$0.50	25 lbs. ....	\$ 31.25
1 lb. ....	1.75	100 lbs. ....	120.00
8 lbs. ....	8.00		

#### Ceresan Prices

1 lb. ....	\$0.75	25 lbs. ....	\$12.50
5 lbs. ....	3.00	100 lbs. ....	49.00

Semesan Disinfectants Make Good Seeds Grow Better.

Ask for Free Booklets.

## Fungtrogen

This highly concentrated fungicide conquers mildew on roses and other plants practically over night and controls black spot. A new and improved form of the famous Rosenbluth formula, combined with a nitrogenous element that fertilizes through the foliage. It also stimulates hollyhocks and geraniums, prevents rust on carnations and the disease of delphiniums.

	Prices		Prices
1 qt. ....	\$0.75	1 qt. ....	\$2.00
1/2 pt. ....	0.75	1/2 gal. ....	3.50
1 pt. ....	1.25	1 gal.—by express ....	6.00



**AUTUMN-WINTER GROUND DRESSING.** Terogen destroys the spores of fungi of most diseases that have fallen to the ground, as well as the larvae of most insects, including the rose pith borers, rose bugs, aphids and most beetles. Terogen also acts as a valuable fertilizer. Makes sturdy, healthy foliage and prevents chlorosis. In convenient semi-powdered form.

	Prices		Prices
1 lb. ....	\$0.75	25 lbs.—by express or freight ....	\$11.00
2 lbs. ....	1.25		
5 lbs. ....	2.75	100 lbs.—by express or freight ....	40.00
10 lbs. ....	4.75		

**GRAFTING WAX.** For grafting and to rub over wounds made in pruning. 1/4 lb., 20c; 1/2 lb., 30c; lb., 60c.

**TREE WOUND PAINT.** A specially prepared thick paint to cover wounds after pruning. Protects from weather and insects. Pt., 30c; qt., 50c; gal., \$1.75.

**TERRO ANT KILLER.** Will rid a place of ants in 24 hours. Place Terro in a receptacle. Ants will appear in great numbers at first but will soon disappear entirely. On lawns, golf courses, and fields, place Terro in receptacles or on stones; must not touch grass. Bottle, 50c.

## Spray Plants With

Leading entomologists are familiar with Ever Green and have endorsed it as a safe, effective killing agent.

Kills most plant pests, including even cutworms. Use it freely on tender plants and flowers—it can't burn or otherwise injure them. Neither will it injure the soil.



**NON-POISONOUS.** EVER GREEN kills only insects—it is harmless to man, live stock, birds and pets.

**EASY TO USE.** Just mix it with water and stir. No need for constant agitating—EVER GREEN stays in solution and won't clog sprayers.

### PRICES

1-oz. bottle .....	\$0.35	32-oz. bottle .....	\$ 3.50
6-oz. bottle .....	1.00	1-gal. can .....	8.63
16-oz. bottle .....	2.00	5-gal. can .....	38.75

Bulk Prices on Request.

## Ants Destroyed in their Nests

New Method "Gets" Them at Their Source.  
Safe, Permanent, Effective.



The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup and placed about the outside edges of the house or along "ant" trails in the garden if the infestation occurs there. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed.



Prices, Antrol Sets—containing 4 containers and one 4-oz. bottle of syrup, 95c; Antrol extra containers, 15c each; Antrol syrup, 4-oz. bottle, 45c; pt., 95c; gal., \$3.75.



The National Pest Control

## Quickly Kills Garden Pests

SCIENCE PROVIDES NEW, SAFE METHOD THAT DOES THE WORK WITHOUT FUSS.

Snails, Cutworms, Slugs, Grasshoppers, Etc., Are Extterminated.

Snarol is a ready prepared meal that you simply broadcast on the ground, under the vegetation. The pests eat the meal and are quickly destroyed.

Snarol will not deteriorate from rain or sprinkling and also is non-injurious to vegetation when used according to simple directions. These features distinguish it from ordinary controls and make Snarol popular with professional gardeners and nurserymen.

Prices, 1-lb. pkg., 45c; 3-lb. pkg., 95c; 15-lb. pkg., \$3.50; 50 lbs., \$9.50.

## Sodium Fluosilicate

KILLS CUCUMBER AND MELON BEETLES

Do not wait until the Beetles appear. Start control work before the damage begins.

**First Application.** When beetles appear on the plants, or within a week after the plants are above ground.

**Second Application.** 10 days after first application.

**Third Application.** Whenever needed after first application.

**Directions.** Use 1 part of Sodium Fluosilicate with 5 parts of Hydrated Lime. Dust when plants are dry, being sure to get some of the dust on ground around plants. Slight burning may result in some cases but the young plants will grow out of this in a short time.

Prices, lb., 25c; 5 lbs., \$1.00; 25 lbs., \$4.50.



# Insecticides and Fungicides

## WRITE FOR COMPLETE SPRAY GUIDE

### WILSON'S O. K. PLANT SPRAY

For 20 years this has been America's leading insecticide both for greenhouse and outside spraying. Controls aphids, thrips, mealy bug, scale, Rose bugs, and many other insects.

Especially Recommended for Scale on Evergreens.

1/2 pt. ....	\$ 0.40
1 qt. ....	1.00
1 gal. ....	3.00
5 gals. ....	12.00
10 gals. ....	20.00
25 gals. ....	50.00
50 gals. ....	90.00

**ACME ALL-ROUND SPRAY.** A complete insecticide for controlling all insects and diseases that affect plants, chewing and sucking insects, blight and fungous diseases. Contains Arsenate, Bordeaux and Nicotine. Full directions with each package. 1/4 lb., 45c; lb., 95c.

**ARSENATE OF LEAD POWDER.** For spraying trees and shrubs against leaf biting insects. Does not injure foliage. Dilute 1 pound with 50 gallons of water. 1/2 lb., 20c; lb., 35c; 4 lbs., \$1.00; 12 lbs., \$2.50.

**BORDEAUX MIXTURE POWDER.** Used against mildew, blight, rust, scab and all fungous diseases. Can be used either dry or diluted at the rate of 1 pound to 5 gallons of water. Lb., 35c; 4 lbs., \$1.00; 12 lbs., \$2.50.

**PARIS GREEN.** Kills potato bugs, worms, caterpillars, etc. When used dry, mix 1 pound with 100 pounds of lime; when used as a liquid spray, mix 1 pound with 50 gallons of water. Very poisonous. 3/4 lb., 15c; 1/2 lb., 25c; lb., 45c; 5 lbs., \$2.00.

**LIME-SULPHUR POWDER.** More convenient to handle than Lime-Sulphur solution. For scale insects on trees and shrubs, and fungous diseases that can be treated in winter or early spring. For dormant spray mix 10 pounds to 50 gallons of water; for summer spray mix 3 pounds to 50 gallons of water. Lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**SLUG SHOT (Hammond's).** The standard remedy for cabbage worms, potato bugs, rose slugs, currant worms, and all soft-shell chewing insects that infest vegetables and flowers. Used as a dust. Lb., 20c; 5 lbs., 60c; 10 lbs., \$1.10; 50 lbs., \$5.25.

**NIKOTEN (30%).** One of the best nicotine sprays for fighting aphids, plant lice, mealy bug, spiders and other forms of sucking insects. Oz., 30c; 2 ozs., 50c; 1/2 lb., \$1.25; lb., \$2.25; 4 lbs., \$6.00; 8 lbs., \$11.00.

**BLACK LEAF "40"** is a solution of Nicotine Sulphate. It is highly recommended by experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully. 1-oz. bottle, 35c; 5-oz. bottle, \$1.00; 1-lb. bottle, \$2.25; 2-lb. tin, \$3.35; 5-lb. tin, \$6.25; 10-lb. tin, \$10.75; 50-lb. drum at \$25 per lb.

**SCALECIDE (Pratt's).** Used to destroy San Jose scale. An all-round dormant spray for use during late fall, winter or early spring when leaves are off the trees. Non-poisonous. One gallon makes 15 gallons of spray. Qt., 70c; gal., \$1.60; 5 gals., \$6.00; 10 gals., \$10.00; 15 gals., \$11.50 (drum, \$2.00 extra); 30 gals., \$22.00 (drum \$2.50 extra); 50 gals., \$31.00 (drum \$3.00 extra). Drums returnable.

**SULFOCIDE.** A non-poisonous sulphur fungicide used effectively against fungous diseases of peaches, apples and all kinds of fruit, vegetables and flowers. Dilute 1 gallon to 200 gallons of water. Pt., 70c; qt., \$1.00; gal., \$2.75; 5 gals., \$8.75.

**KAYSO.** For best results with spraying, use KAYSO as a spreader. Two pounds to 20 gallons of dilute spray is recommended. This not only gives better spreading but makes the sprays more resistant to wind and rain. 10 ozs., 25c; 2 lbs., 45c; 10 lbs., \$2.10; 50 lbs., \$9.50; 100 lbs., \$18.00.

**TOBACCO DUST.** For fumigating and dusting and a preventative against aphids, beetles, fleas and insects in the ground and around roots of trees and shrubs. Lb., 10c; 5 lbs., 40c; 10 lbs., 70c; 100 lbs., \$4.50.

**CEDO-FLORA.** An effective spray for the control of mealy bug, red spider, scale and aphids. 3 ozs., 35c; 8 ozs., 70c; pt., \$1.25; qt., \$2.00; gal., \$5.00; 5 gals., \$22.50; 10 gals., \$42.50.

**VOLCK.** A wonderful spray for the garden, nursery and greenhouse. Has produced marvelous results in controlling red spider, mites, flies, scales, mealy bugs, caterpillars, aphids, etc. Kills the insects and acts as a repellent also. This is the ideal spray for roses, chrysanthemums and carnations and is especially recommended for greenhouse use. 1/2 pt., 35c; pt., 60c; qt., \$1.00; gal., \$3.00; 5 gals., \$12.00; 14 gals., \$25.00.

**CYANO GAS (Calcium Cyanide).** A valuable insecticide for greenhouse fumigation. Destroys aphids, white fly, soft scale, thrips, etc. Scatter it along the walks and close the greenhouse for the night. Also used to kill rats, moles, gophers, etc. 1/2 lb., 45c; lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00.

**PARADICHLOROBENZENE.** For peach tree borers, to be used during August and September. Not effective at other seasons. Apply 1 ounce in a circle around the trunk of each tree and cover it with soil. Lb., 60c; 5 lbs., \$2.00; 10 lbs., \$4.00.

**TREE TANGLEFOOT.** A paste preparation for painting around the trunks of trees to prevent caterpillars from crawling up. A band 6 inches wide around the tree will prove effective. Lb., 50c; 5 lbs., \$2.35; 10 lbs., \$4.50.

**FISH OIL SOAP (Whale Oil Soap).** Effective as a summer remedy for San Jose scale and all soft-shell insects. A preventative against worms. A good wash for trees where bark has been eaten by insects. Comes in the form of soft soap which is diluted 1 pound to 10 gallons of water. Lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**WILSON'S WEED KILLER (Super Strength).** Kills all plant growth. Clean and odorless. Removes all vegetation from paths, roadways, tennis courts, etc. One gallon mixed with 41 gallons of water will treat 800 square feet. Qt., 75c; gal., \$2.00; 5 gals., \$8.00; 50 gals., \$50.00.

**MASSEY DUST.** This is the famous "All In One" Rose Dust recommended by the American Rose Society. Effective in controlling mildew and black spot on roses, and also leaf disease of delphiniums. Dust your roses once each week with Massey Dust and no other treatment will be necessary. Lb., 20c; 10 lbs., \$1.50; 25 lbs., \$3.00.

**POMOGREEN.** This new all around rose dust for control of mildew, black spot and chewing insects. Well known to members of the American Rose Society. The color is leaf-green which eliminates discoloration of foliage. Lb., 50c; 5 lbs., \$1.50.

**SUPERFINE DUSTING SULPHUR (Special Flowers of Sulphur).** This particularly high grade of sulphur is superior to the ordinary Flowers of Sulphur, being much finer and more effective. However, you will notice that it is no higher in price. Lb., 15c; 10 lbs., \$1.25; 25 lbs., \$2.50.

## A SUGGESTION TO GARDEN LOVERS

Join the *St. Louis Horticultural Society*  
**Annual Dues, \$2.00**

### Activities

City Beautification—Highway Beautification—Best Garden Contests—Amateur Flower Shows.

### Benefits to Members

(No Extra Assessments)

Monthly Bulletin "Garden Life," containing valuable garden advice applicable to this locality.

Information Bureau for all garden problems.

Monthly meetings which include lectures by prominent horticulturists and exchange of garden experiences.

Pilgrimages to famous gardens.

### APPLICATION FOR MEMBERSHIP

St. Louis Horticultural Society,  
 821 Central National Bank Bldg.,  
 St. Louis, Missouri.

NAME .....

ADDRESS .....

TOWN AND STATE .....



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